

FLNB Protein Homology/ Phylogeny Annotated FASTA Sequences for identified species:

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>filamin-B isoform 1 [Homo sapiens]

MPVTEKDLAEDAPWKKIQNTFTFRWCNEHLKCVNKRIGNLQTDLSGLRLIALLEVLSQLRMYRKYHQRP  
TFRQMQLENVVALEFLDRESIKLVSIDSKAIVDGNLKLILGLVWTLILHYSISMPVWEDEGDDDAKKQT  
PKQRLLGWIQNKIPYLPITNFNQNWQDGKALGALVDSCAPGLCPDWESWDPQKPVNAREAMQQADDW  
LGVPQVITPEEIIHPDVDEHSVMTYLSQFPKAKLKPAPLKPKNPKKARAYGRGIEPTGNMVKQPAKFTVD  
TISAGQGDVMVFVEDPEGNKEEAQVTPDSDKNKTYVEYLPKVTGLHKVTVLFAGQHISKSPFEVSVDKA  
QGDASKVTAKGPGLEAVGNIANKPTYFDIYTAGAGVGDIGVEVEDPQGKNTVELLVEDKGNQVYRCVYKP  
MQPGPHVVKIFFAGDTIPKSPFVVQGEACNPACRASGRGLQPKGVRIRETTDFKVDTKAAGSGELGVT  
MKGPKGLEELVKQKDFLDGVYAFEYYPSTPGRYSAITWGGHHIPKSPFEVQVGPAGMQKVRWGPGLH  
GGIVGRSADFFVESIGSEVGLGFAIEGPSQAKIEYNDQNDGSCDVKYWPKEPGEYAVHIMCDDDEDIKDS  
PYMAFIHPATGGYNPDLVRAYGPGLEKSGCIVNLAFTVDPKDAGKAPLKIFAQDGEGQRIDIQMKNRM  
DGTYACSYTPVKAIKHTIAVWGGVNIPHSPYRVNIGQGSHQKVKVFGPGVERSGLKANEPHTFTVDCT  
EAGEGDVSVGIKCDARVLESEDEEDVDFDIIHNANDTFTVKYVPPAAGRYTIKVLFASQEIPASPFVVKVD  
PSHDASKVKAEGPGLSKAGVENKPTHTFTVYTKGAGKAPLNVQFNSPLPGDAVKDLDIIDNYDYSHTVKY  
TPTQQGNMQVLVTYGGDPIPKSPFTVGVAAPLDLSKIKLNLENRVEVGKDQFTVDTRGAGGQGLDVT  
ILSPSRKVVPCLVPTVTGRENSTAKFIPREEGLYAVDVTYDGHVPVPGSPYTVASLPPDPSKVAHGPG  
EGGLVKGPAEFTIDTKGAGTGGLGLTVEGPCAEKIECSNDGDTCSVSYLPTKPGYFVNILFEEVHIPG  
SPFKADIEMPFDPKVVASGPGLEHGKVGAEGLLSDCSEAGPGALGLEAVSDSGTAEVSIQNNKDGTY  
AVTYVPLTAGMYTLTKYGGELVPHFPARVKVEPAVDTSRIKVFPGIEGKDFREATDFTVDSRPLTQ  
VGGDHIAHIANPSGASTECFVDNADGTYQVEYTPFEKGLHVVEVYDDVPIPNSPFKVAVTEGCQPSR  
VQAQGPGLKEAFTNKNPVFTVTRGAGIGGLGITVEGPSESKINCRDNKDGSCSAEYIPFAPGDYDVNIT  
YGGAHIPGSPFRVPVKDVPDPSKVIAGPGLGSGVRARVLQSFVTVSSKAGLAPLEVRVLGPRADDTDSQ  
SWRSPLKALSEFFKGDPKGDFNKTGLVEPVNVVDNGDGTHTVYTPSQEGPYMVSVKYADEEIPRSPFKV  
KVLPTYDASKVTASGPGLESSYGPASLPVDFDAIDARDAGEGLLAVQITDQEGPKRAIVHDNKDGTAVT  
YIPDKTGRYMIGVTYGGDDIPLSPYRIRATQTDASKCLATGPGIASTVKTGEEVGFVVDAKTAGKGVK  
CTVLTDPDGTAEADVIENEDGTYDIFYTAAKPGTYVIYVRFVGGVDIPNSPFTVMATDGEVTAVEEAPVNA  
CPPGFRPWVTEEAYVPVSDMNLGLGFKPFDLVIPFAVRKGEITGEVHMPSGKTATPEIVDNKDGTVTVRYA  
PTEVGLHEMHIKYMGSHPESPLQFYVNYPNSSGSVAYGPGLVYGVANKTATFTIVTEDAGEGGLDLAIE  
GPSKAEISCIDNKDGTCTVYLPVPLPGDYSILVKYNDKHIPGSPFTAKITDSSRRCSQVKLGSAAFDLLD  
ISETDLSSLTASIKAPSGRDEPCLLKRLPNNHIGISFIPREVGEHLVSIKKNGNHVNANSPVSIIMVVQSEI  
GDARRAKVYGRGLSEGRTFEMSDFIVDTRDAGYGGISLAVEGSPKVDIQTEDLEDGTCKVSYFPTVPGVY  
IVSTKFADEHVPVGPSPFTVKISGEGRVKESITRTRAPSVAIVGSGICDLNLKIPINSSDMSAHVTSVPSGR  
VTEAEIVPMGKNSHCVRFVPEMGMVHTVSVKYRQHVTVGSPFQFTVGLGEGGAHKVRAGGPGGLERGEAG  
VPAEFSIWVREAGAGGLSIAVEGPSKAEITFDDHKNKSGCVSYIAQEPGNYEVSIFNDEHICESPYLVP  
VIAPSDDARRLTVMSLQESGLKVNQPASFAIRLNGAKGKIDAKVHSPSGAVEECHVSELEPDKYAVRFIP  
HENGVHTIDVKFNGSHVVGSPFKVRVGEVGPQAGNPALVSAYGTGLEGGTTGIQSEFFINTTRAGPGTSLV  
TIEGPSKVKMDCQETPEGYKVMYTPMAPGNYLISVKYGGPNHIVGSPFKAKVTGQRLVSPGSANETSSIL  
VESVTRSTETCYSAIPKASSDASKVTSKAGLSKAFVGVQKSSFLVDCSKAGSNMLLIGVHGPTTPCEEV  
SMKHVGNQQYNVTVVYVVKERGDYVLAVKWGEEHIPGSPFHVTVP

>AF174492\_1 filamin1 [Drosophila melanogaster]

GNNADGPGSANLTHGGELVQNANYTNGQTTQATIFLSNNNNSSNTGNHYNNNSNSHGRKNAPNSQQNQ  
QNACVYTTNSNNNNLEHNFSNLHFYAQQPAAHYDVCHQQTNDYYQPARQEGQQADQYEENFDEDMEA  
ERDLAEDAQWKKIQNTFTRWANEHLKTIDRSINNLETDLSDGLRLIALIEVLSQKRMPKYNKRPTFRSQLEN  
VSVALKFLQDEGIKIVNIDSSDIVDCKLKLILGLIWLTLILHYSISMMPMWDGEDDKQLNGSGHTPKQRLLN  
WIHAKIPDLPINNFTNDWTTGKAVGALVDACAPGLCPDWELWDPKDAVQNAEAMGLADDWLNVRQLIK  
PEELVNPVDEQSMPTYLSQYPNSKLTGAPLRPKTNPNRVRAYGPGIEPIGPVVGAPANFTVETFSAGKG  
SVDVDIQGPNGEIEKADVRFNNDKNLTYTVSYIPKSEGSCHKVAVKFSGRDIPKSPFPVKVEGHAGDASKV  
KVTGPGIQPNGVTIKKPTFFDILAKDAGRGVPEVIIIIDPANHKTSVAAKVRQLENDTWRCEYVTALQGLH  
SVNVFYAGTPIPNSPFPVKVAPLSDARKVRASGRGLQATGVRVGDADFKIYTEGAGEGEPEVRVIGPGG  
MNQNMVMSKVDGNTYECYPTKEGRYVIMVTFAGQEVAKSPFEVKVGPKESSIVAYGPGLSGVIYGP  
AAFVETNETGALGFTVAGPSQAEIECHDNGDGSALVKYHPTAVGEYAVHILCDNEDIPKSPFIAQILP  
RTDFHPELVKASGPGLEKNGVTINQPTSFTVDPSKAGNAPLDVVVQDVFGTKLPVELKNNPDGTTKVTYT  
PTSGVPHTVEVNYGGVSTPNSPHRVYVGVVDAKAVQAFGPWLQPGVRPNAATHFNVDAREAGDAELKVK  
IIEETKIEVPCRIIDNEDNTYSVEVIPPSSKAYTTTMTYGGQRVPLGEKVVVEQTVDVSKIKVDGLEPS  
VIMNAATDFMVDMSKVGSNIDSGKLSAIFDPMGHVLPKIVQGPTDDIFRIMYTPFEAGRHTIELMYDN  
IPVPGSPFVNVKSGCDPARCKAYGPGLEKGLTNQKNKFTVETKGAGNGGLSLAIEGPSEAKMTCTDNRD  
GSCDVDYLATDPGEYDITIRFADKHIPGSPFRVLEETVDPSKVKVYGPGEHGVRESVPTFFNVDVGE  
AGPGRIAVKLNTSEGIPVDNLRVEDKGNCIYAVHYVPPKAGSVLTCQVKFSEVEVPCSPFVMTVFPKSEP  
TKVKVKGVNEKKTPASLPAEFEIDTKAQAGQADINVAIKNPKGKAMQPRLEEVSTGTYYVSVFPDECCTY  
QCSIYGDKEIEGSPFKLEAFPTGEAKKCLVEQAPKIQTSGSQSHLKVDAEAGDGAVTCKITNKAGSE  
IVDIDVIEKDGFFDILYALNDPGDYDINVKFGGKDIPNGSFSIKAVESIEQYSHSEYIEHTTKVVQQT  
QSELVNGKSEITYRSVAFELPLPTTGGNVTAEVRMPSGKVDKPVIQDNRDGTVSVKYDPREEGSHELVV  
KYNBEPVQGSFVKFHVDSITSGYVTAYGPGPLTHGVTGEPANFTISTKGASAGGLTMAVEGPSKADINYHD  
NKDGTVSQVQLPTAPGEYQVSVRFGDKHIKGSYFAKITGEGRKRNIQISVGSCEVTMPGDITDDDLRAL  
NASIQAPSGLEECFLKRMPTGNIGISFTPREIGEHLVSVKRLGKHINNSPFKVTVCEREVDKAKKVKV  
GTGLKEGQTHADNIFVDTRNAGFGGLSVSIEGPSKAEIQCTDKDDGTLNISYKPTPEGYIVNLKFADH  
HVEGSPFTVKVAGEGSRKREKIQRERDAVPITEIGSQCKLTFKMPGITSFDLAACVTSVSNVTEDAEIQ  
EVEDGLYAVHFVPKELGVHTVSVRYSEMHIKGSYFQFTVGPLRDSGSHLVKAGGSLERGVVGEAAEFNV  
WTREAGGGLAISVEGPSKADIEFKDRKDGSCDVSYKVTPEGEYRVGLKFNDRHIPDSPFKVYVSPDAGD  
AHKLEVQQFPQGNIQADAPYQFMVRKNGAKGELDAKIVAPSGTDDDCFIQVIDGEMYSVRFYPRENGIHA  
IHKVFNHVPKSPFRIKVGKDVADPAAVHASGNLDEVKTGHKADFIINTCNAGVGTAVSIDGPSKVA  
MDCTEVEEGYKVRYPVPLLPGEHYITVKYNNMHIVGSPFKVNATGDKLADEGAQETSTVIVETVQKVAKGG  
KNTGVHLPTFKSDASKVVSXGMGLKAYIGKQNFQFISATDAGNNILYVGMYPKGPCEEFHVKHAGHNN  
YNVQYLVRDRGQYVLLIKWGEEHIPGSPFQIDV

>Protein FLN-1, isoform g [Caenorhabditis elegans]

MAQPKRLDQEEVVPVPAIRHDDAEWKIIQQNTFTRWVKNHLQKAGETIESLETDFSDGLKLIALAQLVLSHK  
NVGKFNKKVAFRSQKLENVSLALNFFQNEENIKIINIDSTHIVDHNKLLILGLVWTLILHYSISMGWIQEKREDG  
DNKEETPKQKLLNWRNRLPGMIPISNFTSDWNDGVALGALVNSMAPGALEDWENWSPNDALENTEKAMK  
SAQDLLKVAPLIAPAEMIHPEIDEMSVMTYLSQFPATKPIIMKPKVQATISNLDKILQVNDPREFD  
LKLSRDGFKPKVSIRDEDGQDIHLSLKKVEDKENAYKVKFTPTKIGFIHVDVAANDVHTFETQTIPEASV  
ICQVVPVPIARLLDYNKTAKVGDDVKFAVVDAIEGPVEAIVVDPTGKEHRMVILDGTSPGEHSFEYKIPICIG  
LHSVNVFHKKLPLTGSPFPLRGKPKNSFKVWGRGIAPEGIRKNDVVGVHVESLDPEENIANANISLEVLK  
PSDGSHLPVSVGYNDESQSMDFEYSPKQAPDDLEVLVAVAGEVIESHKIHVAPESSKIRAFGAGLEGGI

VNEPCVFDVEMNGESKDLSFAVEGPSKAEIGCQERPDGSAILSYPPTVAGVYKVGVLADGKHIQDSPFVL  
RVTEPIEGLKPSATRVTGIDESKVVYNGEKIPFRVDTRLCGVDLVPKVEILDPELNPISYGAREITPGLF  
EYTLIPDAPIKHKIDVSVAGVSVPGAPFSVKVKEPTDASKLKIFGPGVDGPVYSKEPTRFTIDATQAGPG  
AVEVALRDDQGENVDLDVLDNQDGSFTVKYTAQRPGAYQLNVVFAGEEISPIEINVKPNVDVSGIRVEGL  
ENENLLIGSHLRPTINIGKLEPKSKGLQLIDEVNGKRYNVPMKINPDGTYSTDTPLMEVGEHKLQLLFDE  
IPVKEAVVEVIKGTVDVNKCKAYGPGLEQAVVGEKAVFELDLGAGEGALSMEMRGPAPAKAESRIQDRGNGK  
CSVEYVAKAPGDYEMAIKFGKDEQKEHVKGSPFKAVVDYKKDPSQITISGLDQPNYRLNQPINFVIDTSK  
TKDLPVKATVPSDFAQLQPVSRSPSNPRHHNVRFPVSGKPNVSIPIEIIYDGLKIDEKLVKLVPEVEPQ  
LIKILHDKKKDSLTTTTPITNASHEGHVPPFDVRDCGNVKKIESRVFGPDGKERLNHVRSTEQNGIYDVSF  
PTDMAGEYCVFYINGQEVAARVPVMAEKIGRKEDVIKKEIVFHPEIAEHSPTVLTYNHPIDAKKKAHP  
AIQVLAAPDAVRLEHIQELVDNGHRVADRIVFTATKLTNTLDVFGGEHVDHVEYEAIGKLEYERIQA  
ERAKVVVEKEDDVDKYEKQYKFQFNVRDLGYQPKDLEAIVMPPTQKKEVAEIIDNLDGTILVKYTPKVHG  
SHELILQNGAQLQGTPIKFYVDAYGDGWATVYGPGLQNAVVGEPATFTVCAKGSQAKELSVSIEGPAKS  
QIKIHNDKDGTCSAAWVPPVPGYKVVHVKLGGKAVKDSPPFRVLVMGEGQKRSHLSVGTSEVALPITQQE  
LKGISASIKSPGGIEEPCFVRLLDGGRLGVSFTPREAGEHLITVKRDGKLVKAPFKIKVDKTQVGDASK  
VEVSGSGKAKGITLQANELLVDTSKAGYGGLSVSVQGPSKAELTCKEVKSLIKVLVYTPTEPGVYAIK  
FADHHVKDSPLTVQCTGKSAGRVIQTIQKDVEQHIGICLPDQESHFLKLLNTSPMDITARLMDPKGHTDD  
IEMRDLGQQYYQLKFTPKMEGIHTLSVMYKDAHVNGSPFQFTVGSFSEGGAHKVVRAAGQGVVRGETGTFN  
AFNIYHREAGVGAVAVTIEGPSKATLEFKDHNDGNCHVDYKVATPGEYVAVKFNDQHIDSPFKVYIAP  
ATGEVRKLELAQFHGQIPAGKAFTFTVLTHRAKGHLEAKVVTPNNEVDTIDIVPIEDGESYAMRFVPE  
TGNHFIHVTLDGAPMRESPFRLRVGGKDLCDPTAISASGDGLVKGTTGQKCEFVINTANAGAGILTVQMD  
GPSKATLDAYELEKGYKVRYTPLAPGSYFASVKYNGIHAPGSPFKIPVEGKELGGNGYNETSHVKIDAVA  
KTSKGTVAVVPEYQGDAAKVTAAGLNKFFPGRPAAFQIDTGLAGTNLLMVGVVTTKGPCEEVVRHQG  
SGHYVCSYRIPDRVKGFVFIKYGDKEIPGSPFAIEP

> PREDICTED: filamin-B [Danio rerio]

MPATEKDLADDAPWKKIQNTFTTRWCNEHLKSANKRVADLQQDLSGLRLIALLEVLVSQKKMFRKYHSRP  
TFRQMKLENVSVALEFLDRENIKLVSIDSKAIVDGNLKLILGLVWTLILHYSISMPVWEDEDDDEAKKQT  
PKQRLLGWIQNKVPDLIPITNFSQDWRNGRALGALVDSCAPGLCPDWEIWDSEKPVNDATEAMQLADDWL  
GIPQVIAPEEIIDPSVDEQSVMTYLSQFPKAKLKPAPLKPKNPKKARAYGPGIEPTGNRVMRPAVFTVD  
TFSAGQQQVMVYVEDPEGRREEVKPVLNEGKKTYSVTYVPQVMGTHKVTVLFAGQQIPKSPFEVNVDKAQ  
GDPTKVTAAGPGLPLGNIANKPTFFDIYTAGAGVGDVTAVIKDPLGNKNTVEAVMEDKGENVFRCTYKP  
VQAGPHTVNITFGGIAIPKSPFAVNIGPASVPGACRATGRGLQPRGVRVRQVADFVKVDRNAGSGDLKVT  
VKGPGLLEPVKQKQDASDGVSYEYYPHATGKYSVSITWAGQHIPKSPFEVHVGSEAGPQKIRAWGPGLE  
GGIVGKSADFVAESIGTDVIGLGFVIAEGPSQARIECEDQNDGSCDVRYWPTEAGEYAVHVMCDEDEDIEDS  
PFMAIIVPDNKANNPGLVKAYGPGLEKSGCIINKPAEFTVEATDAGAGPLKITAQDAAGVPVEVKVKS  
DQVYSCSYTPTAAIKHTLAVSWAGASVPSNPFVNVGKGSHPHKVKVFGPGVEKTGLKAHEPTHTVDCT  
EAGEGDVSVGIKCEANVISGQEEVDVFDIIPNANDTITVKYIPPGAGRLVIKVLFTDQEIIPVSPFRVKVD  
PSHDASKVKAEGPGIARAGVESGKPTHFTVYTKGAGKALLDVQFSGPNKAQPVDQFEIIDNYDYSYTVKY  
TPVQQGEMVITVSYGGDPIAKSPFAVGVAAPLDLSKIQVDGLENRVQVGEDQEFVAVGTRGAGGQKLEVK  
VTSPSGKSVPCLEPGKAGSLVKYIPKEEGVYVVELLYDGHVPGSPFPVEAMLPPDPSKVKAFGPGKLG  
GLVSSPAEFTIDTKGAGTGGLGLTVEGPTEAKIECSNDGDTCSVSYLPTPEGEYLVNIFENVHIPGSP  
FHADVQYFPDPTKVLASGSLKRGKVGESVNLVNDCTTAGPGLLLTDAESDSGVKAKTEVLNNDGTYTV  
TYIPLTAGMYTLQLKYGGKSVSPFAKVKVDPVAVDTSRVKVFPGVAGEGIDYVLYHVFQDQDGKLLKAN

IQDNRDGTYSYVDPKVGRYTIVIKYGGDEIPTSPYRVRATTSGDASKCTVSGPGIGPTIGIGQEVEGFM  
VNTKGAGKGNLCCVLTDPDGSEVEADVIQNEGDGTFDIFYTAHKPGTYVIYVRFGGENIPKSPFKVMATDE  
APMMQQQSVQQQSAAPAMGFQPWVTDGSYVPANSVNGTGYRPFDMVIPFTFSKGEITGEVHMPSGKS  
AQPEIIDNKDGTVTVKYSPTEAGLHEMHIKYNHGHIPESPLQFFVNNANSPNVTAYGPGLVYGTANKTAMFT  
IYTEDASEGGLDLAIEGPSKAEISCVDNKDGTCTVSYLPTLPGDYNILVRYNDKHIAGSPFTARITEDNK  
RKSQVKLGSAAFDLIMETDLSLLTASIKAPSGRDEPCLLKRQPNNHIGISFIPREVGEHLVSIRKNGR  
HVPNSPISITVVQSEIGDAGRKVFGLQEQTFQMAFDFTVDTREAGYGGGLALSIEGPSKVDIQTEDME  
DGTGCVSYCPTPGTYIVSIRFAEEHVPGPSFSVKVTGEGRIRESISRRQKAASVSSVGSVCDLNLKIPG  
KTTLMFTWGLKNY

> fimbrin-like protein AtFim2, partial [Arabidopsis thaliana]

PTRPLNSAKAIGCTVVNIGTQDIIEGRRHLVLGVISQIIKIQLLADLNLKTPQLVELVGDSDKDV EELMS  
LPPEKILLRWMNFQLRKTEYKKTVTNFSSDVKDAEAYTNLLNLVLAPEHKNPSHLAVKSSFERAKLVLEHA  
DKMGCRRYLTAKDIVEGSPNLNLAFAHFQHRNGLSTQTKQISFLENLADDIQISREEKAFRFWINSFD  
GSVYINNVFEDLRDGLWILLQTLDKVSPGIVNWKVSSKPKPIKLPFKKVENCNQVVKLGKQLKFSLVNIAGN  
DIVQGNKKLILAYLWQLMRYNILQLLKNLRLHNSGKEITDADILEWANAKVRNNGCKTRMYSFRDKLSLD  
GVFFLELLSSVQPRSVNWSLVTNGVTDEEKKMNATYVISIARKLGCSIFLLPEDIIEVNQKMMLTLTASI  
MYWTLKQPLHLNKPIGSPDSHNGSLLDDSTSDSSIE

> PREDICTED: filamin-B isoform 15 [Pan troglodytes]

MPVTEKDLAEDAPWKKIQQNTFTRWCNEHLKCVNKRIGNLQTDLSGLRLIALLEVLSQLRMYRKYHQRP  
TFRQMQLENVSALEFLDRESIKLVSIDSKAIVDGNLKLILGLVWTLILHYSISMPVWEDEGDDDAKKQT  
PKQRLLGWIQNKIPYLPITNFNQNWQDGKALGALVDSCAPGLCPDWESWDPQKPVNAREAMQQADDW  
LGVPQVITPEEIIHPDVDEHSVMTYLSQFPKAKLKPAPLKPKNPKARAYGRGIEPTGNMVKQPAKFTVD  
TISAGQGDVMVFVEDPEGNKEEAQVTPDSDKNKTYVEYLPKVTGLHKVTVLFAGQHISKSPFEVSVDKA  
QGDASKVTAKPGLEAVGNIANKPTYFDIYTAGAGVGDIGVEVEDPQGKNTVELLVEDKGNQVYRCVYKP  
MQPGPHVVVFFAGDTIPKSPFIVQGEACNPACRASGRGLQPKGVRIRETTDFKVDTKAAGSGELGVT  
VKGPKGLEELVKQKDFLDGVYAFEYYPSTPGRYIAITWGGHHIPKSPFEVQVGPEAGMQKVRWGPGLH  
GGIVGRSADVFVESIGSEVGLGFAIEGPSQAKIEYNDQNDGSCDVKYWPKEPGEYAVHIMCDDDEDIKDS  
PYMAFIHPATGDYNPDLVRAYGPGLEKSGCIVNNLAEFTVDPKADAGKAPLKIFAQDGEQQRIDIQMKNRM  
DGTYACSYTPVKAIKHTIAVWGGVNIPHSPYRVNIGQGSHPQKVKVFGPGVERSGLKANEPHFTVDCT  
EAGEGDVSVGIKCDARVLEDEEDVDFDIIHNANDTFTVKYVPPAAGRYTIKVLFAEQEPTSPFRVKVD  
PSHDASKVKAEGPGLSKAGVENKPTHTFTVYTKGAGKAPLNVQFNSPLPGDAVKDLIDIYDYSHTVKY  
TPTQQGNMQVLVTYGGDPPIKSPFTVGVAAPLDLSKIKLNLENRVEVGKDQFTVDTRGAGGQGLDVT  
ILSPSRKVVPCLVPTVTGRESSTAKFIPREEGLYAVDVTYDGHVPVPGSPYTVEASLPPDPTKVAHGPG  
EGGLVGKPAEFTIDTKGAGTGGLGLTVEGPCEAKIECSNDGDTCSVSYLPTKPGYFVNILFEEVHIPG  
SPFKADIEMPFDPKVVASGPLEHGKVGAEAGLLSVDCEAGPGALGLEAVSDSGTAEVSIQNNKDGTY  
AVTYVPLTAGMYTLTKYGGELVPHFPARVKVEPAVDTSRIKVFPGIEGKDFREATTDFTVDSRPLTQ  
VGGDHIAHANPSGASTEFCVTDNADGTYQVEYTPFEKGLHVVEVYDDVPIPNSPFKVAVTEGCQPSR  
VQAQGPGLKEAFTNKNPVFTVTRGAGIGGLGITVEGPSESKINCRDNKDGSCSAEYIPFAPGDYDVNIT  
YGGAHIPGSPFRVPKDVVDPSKVKIAGPGLGSGVRARVLQSFVDSKAGLAPLEVRVLGPRADDTDSQ  
SWRSPLKALSEFFKGDPKGDFNKTGLVEPVNVVDNGDGTHTVYTPSQEGPYMVSVKYADEEIPRSPFKV  
KVLPTYDASKVTASGPGLLSSYGPASLPVDFDAIDARDAGEGLLAVQITDQEGPKRAIVHDNKDGTYAVT  
YIPDKTGRYMIGVTYGGDDIPLSPYRIRATQTDASKCLATGPGIASTVKTGEEVGFVVDAKTAGKGV

CTVLTPDGTEAEADVIENEDGTYDIFYTAAKPGTYVIYVRFGGVDIPNSPFTVMATDGEVTAVEEAPVNA  
CPPGFRPWVTEAYVPSNMNGLGFKPFDLVIPFAVRKGEITGEVHMPSGKTATPEIVDNKDGTVTVRYA  
PTEVGLHEMHIKYMGSHPESPLQFYVNYPNSSGSVSAYGPGLVYGVANKTATFTIVTEDAGEGGLDLAIE  
GPSKAEISCIDNKDGTCTVTYLPTLPGDYSILVKYNDKHIPGSPFTAKITDSDRRCSQVKLGSAADFLLD  
ISETDLSSLTASIKAPSGRDEPCLLKRLPNNHIGISFIPREVEGHLVSIKKNGNHVNANSPVIMVVQSEI  
GDARRAKVYGRGLSEGRTFEMSDFIVDTRDAGYGGISLAVEGPSKVDIQTEDLEDGTCKVSYFPTVPGVY  
IVSTKFADEHVPGSPFTVKISGEGRVKESITRTSRAPSVATVGSICDLNLKIPEINSSDMSAHVTSPSGR  
VTEAEIVPMGKNSHCVRFPQEMGVHTVSVKYRGQHVTGSPFQFTVGPLGEGGAHKVRAGGPGLERGEAG  
VPAEFSIWTREAGAGGLSIAVEGPSKAEITFDDHKNKSGCVSYIAQEPGNYEVSIFNDEHIPESPYLVP  
VIAPSDDARRRLTVMQLQESGLKVNQPASFAIRLNGAKGKIDAKVHSPSGAVEECHVSELEPDKYAVRFIP  
HENGVHTIDVKFNKSHVVGSPFKVRVGEPEGQAGNPALVSAYGAGLEGGTTGIQSEFFINTTRAGPGTLSV  
TIEGPSKVKMDCQETPEGYKVMYTPMAPGNYLISVKYGGPNHIMGSPFKAKVTGQRLVSPGSANETSSIL  
VESVTRSSTETCYSaipKASSDASKVTSKGAGLSKAFVQGKSSFLVDCSKAGSNMLLIGVHGPTTPCEEV  
SMKHVGNQQYNVTYVVKERGDYVLAVKWGEEHIPGSPFHVTVP

> PREDICTED: filamin-B isoform 3 [Macaca mulatta]

MPVTEKDLAEDAPWKKIQNTFTRWCNEHLKCVNKRIGNLQTDLSGLRLIALLEVLSSQKRMRYRKYHQRP  
TFRQMQLENVSVALEFLDRESIKLVSIDSKAIVDGNLKLILGLVWTLILHYSISMPVWEDEGDDDAKKQT  
PKQRLLGWIQNKIPYLPITNFNQNWQDGKALGALVDSCAPGLCPDWESWDPQKPVNDAREAMQQADDW  
LGVPQVITPEEIIHPDVDEHSVMTYLSQFPKAKLKPGAPLKPKNPKKARAYGRGIEPTGNMVKQPAKFTVD  
TISAGQGDVMVFVEDPEGNKEEAQVTPDSDKNKTYVEYLPKVTGLHKVTVLFAGQHISKSPFEVNVDKA  
QGDASKVTAKGPGLEAVGNIANKPTYFDIYTAGAGVGDIGVEVEDPQGKNTVELLEDKGNQVYRCVYKP  
MQPGPHVVKVFFAGDTIPKSPFIVQVGEACNPACRASGRGLQPKGVRIRETADFKVDTKAAGSGELSVT  
VKGPKGLEELVKQKGLDGVYAFEYYPSTPGRYSIATWGGHHIPKSPFEVQVGPPEAGMQKVRWAGPGLH  
GGIVGRSADVFVESIGSEVGLGFAIEGPSQAKIEYDDQNDGSCDVKYWPKEPGEYAVHIMCDDEDIKDS  
PYMAFIHPATGDYNPDVLRAYGPGLEKSGCIVSNLAEFTVDPKDAGKAPLKIFAQDGEGQPIDIQMKSRM  
DGTYACSYTPVKAIKHTIAVVWGGVNIPHSPFRVNIGQGSHPKVKVFGPGVRSGLKANEPHFTVDCT  
EAGEGDVSVGIKCDARVLEDEEDVDFDIIHNANDFTVKYVPPAAGRYTIKVLFAEQEIPASPFVKVD  
PSHDASKVKAEGPGLSKAGVENKPTHTFTVYTKGAGKAPLNVQFNSPLPGDAVKDLVIDNYDYSHTVKY  
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EGGLVKGPAEFTIDTKGAGTGGLLTVVEGPCEAKIECSNDGDGTCSVSYLPTKPGYFVNILFEEVHIPG  
SPFKADIEMPFDPKVVASGPGLEHGKVGAEGLLSVDCSEAGPGALGLEAVSDSAGAKAEVSIQNNKDGT  
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VGGDHIAHANPSGASTEFCFVDNADGTYQVEYTPFEKGLHVVEVYDDVPIPNSPFKVAVTEGCQPSR  
VQAQPGPLKEAFTNKPNVFTVTRGAGIGGLGITVEGPSESKINCRDNKDGSCEAEYIPFFPACAQNPMT  
SLPGSPFRVPVKDVPDPSKVKIAGPGLGSGVRARVLQSFTVDSSKAGLAPLEVRVLGPRADGTDSQSWRS  
PLKALSEFFKGDPKGDFNETGLVEPVNVVDNGDGTHTVYTPSQEGPFMVSVKYADEEIPRSPFKVKVLP  
TYDASKVTASGGLSSYGPASLPVDFAIARDAGEGLLAVQITDQEGPKRAIVHDNKDGTAVTYIPD  
KTGRYMIGVTYGGDDIPLSPYRIRATQTGDASKCLATGPGIASTVKTGEEVGFVDAKTAGKGVCTVL  
TPDGTEAEADVIENEDGTYDIFYTAAKPGTYVIYVRFGGVDIPNSPFTVMATDGEVTAVEEAPVNACPPG  
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GLHEMHIKYMGSHPESPLQFYVNYPNSSGSVSAYGPGLVYGVANKTATFTIVTEDAGEGGLDLAIEGPSK  
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DLSSLTASIKAPSGRDEPCLLKRLPNNHIGISFIPREVGEHLVSIKKNGNHVANSPPVSIIMVVQSEIGDAR  
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KFADEHVPGPSFTVKISGEGRVKESITRTSRAPSVATVGSICDLNLKIPEINSSDMSAHVTSPSGRVTEA  
EIVPMGKNSHCVRFPQEMGMHTVSVKYRQGHVTGSPFQFTVGPLGEGGAHKVRAGGPGLERGEAGVPA  
EFSIWTRAGAGGLSIAVEGSPKAEITFDDHKNKSGVSYIAQEPGNYEVSIFNDEHIPDSPYLVPIAP  
SDDARRLTVMSLQVRCKEASISLATGRQICDQVDFSLGLLRDTQGAPSGSEIQDAECQAPYKYAVRFIPH  
ENGVHTIDVKFNKSHVVGSPFKVRVGEQAGNPAVLSAYGAGLEGGTTGIQSEFFINTTRAGPGTSLVT  
IEGPSKVKMDCQETPEGYKVMYTPMAPGNYLIGVKYGGPNHIVGSPFKAKVTGQRLVSPGSANETSSILV  
ESVTRSTETCYSIAPKASSDASKVTSKAGLSKAFVGGKSSFLVDCSKAGSNMLLIGVHGPTTPCEEVS  
MKHVGNNQQYNVTYVVKERGDYVLAVKWGEHHPGSPFHVTVP

> PREDICTED: filamin-B isoform X9 [Canis lupus familiaris]

MPVTEKDLAEDAPWKKIQNTFTRWCNEHLKCVNKRIGNLQTDLSGLRLIALLEVLVLSQKRMRYRKYHQRP  
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LQPGPHVVKVSFAGDTIPKSPFVQVGEACSPNACRASGRGLQPKGVRIRETADFKVDTKAAGSGELSVT  
VKGPKGLEELVKQKGLDGVYAFEYYPSTPGKYSIAITWGGHHIPKSPFEVQVGPEAGMOKVRAWGPGLH  
GGIVGRSADVFVESIGSEVGLGFAIEGPSQAKIEYDDQNDGSCDVKYWPREPGEYAVHIMCDDEDIKES  
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VQAQGPGLKEAFTNKNPVFTVTRGAGIGGLGITVEGPSESKINCRDNKDGSCSAEYIPFAPGDYDVNIT  
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HENGIHTIDVKFNGSHVVGSPFKVRVGEPPGQAGNPALVSAYGAGLEGGTTGIQSEFFINTRAGPGTSLV  
TIEGSPKVKMDCQETPEGYKVMYTPMAPGNYLIGVKYGGPNHIVGSPFKAKVTGQRLVSPGSANETSSIL  
VESVTRSSIETCYSaipKASSDASKVTSKGAGLSKAFVQKSSFLVDCSKAGSNMLLIGVHGPTTPCEEV  
SMKHVGNQQYNVTYVVKEGDYILAVKWGEEHIPGSPFHVTVP

> filamin-B [Bos taurus]

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SRRSPLKAISGFFKRDRKGFDMETGLVEPVNVVDNGDGTHTVYTPSQEGPYMVSVKYADEEIPRSPFKV  
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VIAPSDDARRLTVLSLQESGLKVNQPASFAIRLNGAKGKIDAKVHSPSGAVEECHVSELEPDKYAVRFIP  
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SMKHVGNQQYNVTYVVKERGDYVLAVKWGEEHIPGSPFHVTVP

> filamin-B [Mus musculus]

MPVTEKDLAEDAPWKKIQQNTFTRWCNEHLKCVNKRIGNLQTDLSDGLRLIALLEVL SQKRMHHKHYHQR P  
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VHAQGPGLKEAFTNKNVFTVTRGAGIGGLGITV EGPSESKINCRDNKDGSCSAEYIPFAPGDYDVNIT  
YGGVHIPGSPFRVPSKD VVDPSKVKIAGPGLSSCVRACIPQSFTVDSSKAGLAPLEVRVLGPRGLVEPVN  
VVDNGDGTHTVYTPSQEGPYIVSVKYADEEIPR SPFKVKVLPTYDASKVTASG PGLSAYGVPASLPVEF  
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TGDASKCLATGPGIAPT VKTGEEVGFVDAKTAGK GKVTCVILTPDGTEAEADVIENEDGTYDIFYTAAK  
PGTYVIYVRFGGVDIPNSPFTVMATDGEVTAMEE APVTEEAYVPVSDMNGLGFKPFDLVIPFAVRKGEIT  
GTVHMPSPGKKATPEIVDNKDGT VTVRYAPTEVGLHEMHIK YRGSHIPESPLQFYVNYPN SSGSVSAYGPGL  
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KVHSPSGAVEECHVSELEPKYAVRFIPHENGIHT IDVKFN GSHVVGSPFKVRVGEPPQAGNPALVSAYG  
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ISRSPFKAKVTGQRLVSPGSANETSSILVESVTR SSETCYS AIPKSSSDASKVTSKGAGLSKAFV GQKS  
SFLVDCSKAGSNMLLIGVHGPTTPCEEVSMKHV GKQQYNVTYVVKERGDYVLAVKWGEEHIPGSPFHVTV  
P

> filamin-B [Gallus gallus]



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DDIHPLPTESASPAGDAAQCLATGLGIAPTVRTGEEVGFVDAKSAGKGVCTVLTDPDGTAEADVVEN  
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GLQKAGSNMLLVGVHGPTIPCEEVSIKHLGNHQYNVCGEGEGHYVWR