

Product datasheet for **TP527403**

Flna (NM_010227) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse filamin, alpha (Flna), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T



[View online »](#)

Expression cDNA Clone >MR227403 representing NM_010227
 or AA Sequence: Red=Cloning site Green=Tags(s)

MSSSHSRCGQSAAVASPGGSIDSRDAEMPATEKDLAEDAPWKKIQQNTFTRWCNEHLKCVSKRIANLQTD
 LSDGLRLIALLEVLVSQKKMHRKHNRPTFRQMQLENVVALEFLDRESIKLVSIDSKAIVDGNLKLILGL
 IWTLILHYSISMPMWDEEEDEEAKKQTPKQRLGWIQNKLPQLPITNFSRDWQSGRALGALVDSAPGLC
 PDWDSWDASKPVNNAREAMQQADDWLGIPQVITPEEIVDPNVDEHSVMYLSQFPKAKLKPGLRPLKLN
 PKKARAYGPGIEPTGNMVKKRAEFTVETRSAGQGEVLVYVEDPAGHQEEAKVTANNDKNRTFSVWYVPEV
 TGTHKVTVLFAGQHIKSPFEVYVYDQSKQGDASKVTAQGGPLEPSGNIANKTTYFEIFTAGAGMGEVEVI
 QDPTGQKGTVEPQLEARGDSTYRCSYQPTMEGVHTVHVTFAGVPIPRSPYTVTVGQACNPAACRAIGRL
 QPKGVRVKETADFKVYTKGAGSGELKVTVKGPKGEERVKQKDLGDGVYGFYPTIPGTYTITWGGQN
 IGRSPFEVKVGTCEGNQKVRWGPGLGGIVGKSADFVVEAIGDDVGTGLGFSVEGSPQAKIECDDKGDGS
 CDVRYWPQEAGEYAVHVLCSNEDIRLSPFMADIREAPQDFHPDRVKARGPGLKTVAVNKPAAEFTVDAK
 HAGKAPLRVQVDNEGCSVEATVKDNGNGTYSYVPRPKVHTAMVSWGVSIPNSPFRVNVGAGSHPN
 KVKYVGPVAKTGLKAHEPTYFTVDCTEAGQGDVSIKICAPGVGPTADIDFIIRNDNDTFTVKYTP
 CGAGSYTIMVLFADQATPTSPIRVKVEPSHDASKVKAEGPGLNRTGVELGKPTHFTVNAKTAGKGLDVQ
 FSGLAKGDAVRDVIDHDHNTYTVKYIPVQQGPVGVNVTYGGDHIKSPFSVGVSPSLDLSKIKVSGLG
 DKVDVKGDKQFTVSKGAGGQKASKIVSPSGAAVPCVPEGLGADNSVVRVFPREEGPEVEVTVYDGV
 PVPGPSFPLEAVPTKPSKVKAFGPGGLQGGNAGSPARFTIDTKGAGTGGLGTLVEGPCEAQLECLDNGDG
 TCSVSYVPTPEGDYNINILFADTHIPGSPFKAHVAPCFDASKVKCSGPGLERATAGEVGQFQVDCSSAGS
 AELTIEICSEAGLPAEVYIQDHGDGHTITYIPLCPGAYVTIKYGGQPVNPFPSKLQVEPAVDTSGVQC
 YGPGIEGQGVFREATTEFSVDARALTQTGGPHVKARVANPSGNLTDYVQDCGDGTYKVEYTPYEEGVHS
 VDVTYDGSVPSSPFQVPVTEGCDPSRVRVHVGPIQSGTNNKPNKFTVETRGAGTGGLGLAVEGPSEAKM
 SCMDNKDGCSCSVEYIPYEAGTYSLNVTYGGHQVPGSPFKVPVHDVTDASKVKCSGPGLSGPMVRANLPQS
 FQVDTSKAGVAPLQVKVQGPGLVEPVDVDNADGTQTVNYVPSREGSYSISLVYGEVEVPRSPFKVKVL
 PTHDASKVKASGPGNLTTGVPASLPVEFTIDAKDAGEGLLAVQITDPEGKPKKTHIQDNHDGTYTVAYVP
 DVPGRYTILIKYGGDEIPFSPYRVRAVPTGDASKCTVTGAGIGPTIQIGEETVITVDTKAAGKGVKTVCTV
 CTPDGEVDVDVVENEDGTFDIFYTAPQPGKYVICVRFGEHVPNSPFQVTLALAGDQPTVQTPLRSSQLA
 PQYNYPQGSQQTWIPERPMVGNGLDVTSLRPFDLVIPFTIKKGEITGEVRMPGSKVAQPSITDNKDGTV
 TVRYSPEAGLHEMDIRYDNMHIPGSPLQFYVDYVNCGHITAYGPGGLTHGVNKPATFTVNTKDAGEGGL
 SLAIEGPSKAEISCTDNQDGTCSVSYLPVLPGDYSILVKYNDQHIPGSPFTARVTGDDSMRMSHLKVGSA
 ADIPINISETDLSELLTATVPPSGREEPCLLRLRNHGHVGSFVPKETGEHLVHVKNKGQHVASSPIPV
 ISQSEIGDASRVRVSGQGLHEGHTFEPAEFIIDTRDAGYGGLSLSIEGPSKVDINTEDLEDGTCRVTYCP
 TEPGNYIINIKFADQHVPGPSFVSVKVTGEGRVKESITRRRRRAPS VANIGSHCDLSLKIPEISIQDMTAQV
 TSPSGKTHEAEIVEGENHTYCIKRVPAEMGMHTVSVKYKGQHVPGSPFQFTVGLGEGGAHKVRAGGPGL
 ERAEVGVAPEFGIWTREAGAGGLAIAVEGSPKAEISFEDRDKDGCVAVVWQEPGDYEVSVKFNEEHIPD
 SPFVVPVAVSPSGDARRLTVSSLQESGLKVNQPASFAVSLNGAKGAIDAKVHSPSGALEECYVTEIDQDKY
 AVRFIPRENGIYLIDVKFNHGHIPGSPFKIRVGEVGHGGDPGLVSAYGAGLEGGVTGSPAEIFVNTSNAG
 AGALSVTIDGPSKVKMDCQCEPEGYRVYTPMAPGSYLISIKYGGPYHIGGSPFKAKVTGPRLVSNHSLH
 ETSSVFVDSLTKVATVPQHATSGPGPADVSKVAKGLGLSKAYVGQKSNFTVDCSKAGNNMLLVGVHGP
 TPCEEILVKHMGSRLYSVSYLLKDKGEYTLVVKWGDEHVPSPYRIMVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	280.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034357
Locus ID:	192176
UniProt ID:	B7FAU9
RefSeq Size:	8347
Cytogenetics:	X 37.89 cM
RefSeq ORF:	7917
Synonyms:	ABP-280; Dilp2; F730004A14Rik; filamin-1; Fln1; GENA 379
Summary:	Actin binding protein that promotes orthogonal branching of actin filaments and links actin filaments to membrane glycoproteins. Anchors various transmembrane proteins to the actin cytoskeleton and serves as a scaffold for a wide range of cytoplasmic signaling proteins (By similarity). Interaction with FLNA may allow neuroblast migration from the ventricular zone into the cortical plate. Tethers cell surface-localized furin, modulates its rate of internalization and directs its intracellular trafficking. Involved in ciliogenesis. Plays a role in cell-cell contacts and adherens junctions during the development of blood vessels, heart and brain organs (PubMed:17172441). Plays a role in platelets morphology through interaction with SYK that regulates ITAM- and ITAM-like-containing receptor signaling, resulting in by platelet cytoskeleton organization maintenance (PubMed:20713593).[UniProtKB/Swiss-Prot Function]