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Product datasheet for TP323751L

UNC45B (NM_173167) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human unc-45 homolog B (C. elegans) (UNC45B), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223751 representing NM_173167 Red=Cloning site Green=Tags(s) MAEVEAVQLKEEGNRHFQLQDYKAATNSYSQALKLTKDKALLATLYRNRAACGLKTESYIQAASDASRAI DINSSDIKALYRRCQALEHLGKLDQAFKDVQRCATLEPRNQNFQEMLRRLNTSIQEKLRVQFSTDSRVQK MFEILLDENSEADKREKAANNLIVLGREEAGAEKIFQNNGVALLLQLLDTKKPELVLAAVRTLSGMCSGH QARATVILHAVRIDRICSLMAVENEEMSLAVCNLLQAIIDSLSGEDKREHRGKEEALVLDTKKDLKQITS HLLDMLVSKKVSGQGRDQALNLLNKNVPRKDLAIHDNSRTIYVVDNGLRKILKVVGQVPDLPSCLPLTDN TRMLASILINKLYDDLRCDPERDHFRKICEEYITGKFDPQDMDKNLNAIQTVSGILQGPFDLGNQLLGLK GVMEMMVALCGSERETDQLVAVEALIHASTKLSRATFIITNGVSLLKQIYKTTKNEKIKIRTLVGLCKLG SAGGTDYGLRQFAEGSTEKLAKQCRKWLCNMSIDTRTRRWAVEGLAYLTLDADVKDDFVQDVPALQAMFE LAKXXTSDKTILYSVATTLVNCTNSYDVKEVIPELVQLAKFSKQHVPEEHPKDKKDFIDMRVKRLLKAGV ISALACMVKADSAILTDQTKELLARVFLALCDNPKDRGTIVAQGGGKALIPLALEGTDVGKVKAAHALAK IAAVSNPDIAFPGERVYEVVRPLVRLLDTQRDGLQNYEALLGLTNLSGRSDKLRQKIFKERALPDIENYM FENHDQLRQAATECMCNMVLHKEVQERFLADGNDRLKLVVLLCGEDDDKVQNAAAGALAMLTAAHKKLCL KMTQVTTQWLEILQRLCLHDQLSVQHRGLVIAYNLLAADAELAKKLVESELLEILTVVGKQEPDEKKAEV VQTARECLIKCMDYGFIKPVS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	103.6 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

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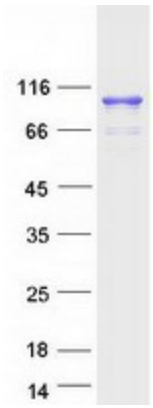
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
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_775259
Locus ID:	146862
UniProt ID:	Q8IWX7
RefSeq Size:	5694
Cytogenetics:	17q12
RefSeq ORF:	968
Synonyms:	CMYA4; CTRCT43; MFM11; SMUNC45; UNC-45B; UNC45
Summary:	This gene encodes a co-chaperone required for folding and accumulation of type II myosins. The protein consists of three tetratricopeptide repeat motifs at the N-terminus that form a complex with heat shock protein 90, a central region of unknown function that is conserved in all Unc-45 proteins, and a C-terminal Unc-45/Cro1/She4 domain. The protein is expressed at high levels in striated muscle, where its muscle myosin chaperone activity is dependent on heat shock protein 90 acting as a co-chaperone. A missense mutation in this gene has been associated with cataract development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Product images:



Coomassie blue staining of purified UNC45B protein (Cat# [TP323751]). The protein was produced from HEK293T cells transfected with UNC45B cDNA clone (Cat# [RC223751]) using MegaTran 2.0 (Cat# [TT210002]).