

Product datasheet for PH323751

UNC45B (NM_173167) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UNC45B MS Standard C13 and N15-labeled recombinant protein (NP_775259)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223751
Predicted MW:	103.6 kDa
Protein Sequence:	>RC223751 representing NM_173167 Red=Cloning site Green=Tags(s)

MAEVEAVQLKEEGNRHFQLQDYKAATNSYSQALKLTKDKALLATLYRNRAACGLKTESYIQAASDASRAI
DINSSDIKALYRRCQALEHLGKLDQAFKDVQRCATLEPRNQNFQEMLRRLNTSIQEKLRFVQFSTDSRVQK
MFEILLDENSEADKREKAANNLIVLGREEAGAEIFQNNGVALLQLLDTKKPELVLAAVRTLSGMCSGH
QARATVILHAVRIDRICSLMAVENEEMSLAVCNLLQAIIDSLSGEDKREHRGKEEALVLDTKKDLKQITS
HLLDMLVSKKVSGQGRDQALNLLNKNVPRKDLAIHDNSRTIYVVDNGLRILKVVGVQVDPDLPSCPLTDN
TRMLASILINKLYDDLRCDFPERDHFRIKICEEYITGKFDQMDKLNNAIQTVSGILQGFPLDGNQLGLK
GVMEMMVALCGSERETDQLVAVEALIHASTKLSRATFIITNGVSLKQIYKTTKNEKIKIRTLVGLCKLG
SAGGTDYGLRQFAEGSTEKLAKQCRKWCNMSIDTRRRWAVEGLAYLTLADAVKDDFVQDVPALQAMFE
LAKXTSKDKTILYSVATTLVNCTNSYDVKEVIPQLAKFSKQHVPEEHPKDKKDFIDMRVKRLLKAGV
ISALACMVKADSAITDQTKELLARVFLALCDNPKDRGTIVAQGGGKALIPALALEGTDVGVKAAHALAK
IAAVSNPDIAPFGERVYEVVRPLVRLDQTDGLQNYEALLGLTNLSGRSDKLRQKIFKERALPDIENYM
FENHDQLRQAATECMNMVHLHKEVQERFLADGNDRLKLVLLCGEDDDKVQNAAGALAMLTAAHKKLCL
KMTQVTTQWLEILQRLCLHDQLSVQHRGLVIAYNLLAADAELAKKLVESELLEILTVVKGQEPDEKKAEV
VQTARECLIKCMDYGFIPVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.

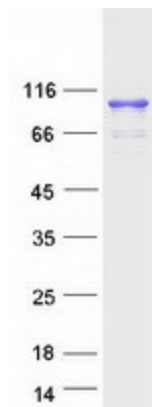


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RefSeq:	NP_775259
RefSeq Size:	5694
RefSeq ORF:	968
Synonyms:	CMYA4; CTRCT43; MFM11; SMUNC45; UNC-45B; UNC45
Locus ID:	146862
UniProt ID:	Q8IWX7
Cytogenetics:	17q12

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]).