

## Product datasheet for TP511221

### Unc45b (NM\_178680) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse unc-45 myosin chaperone B (Unc45b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR211221 representing NM_178680 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAEAEAAQLKEEGNRHFQLQDYKAATKSYSQALKLTKDKALLATLYRNRAACGLKMESYAQAASDASRAI DINSADIKALYRRCQALEHLGKLDQAFKDVQRCATLEPRNQNFQETLRRLNLSIQEQLRVQFSTDSRVQT MFEILLNENSEADKREKAANNLIVLGREEAGAERIFQSNQVALLQLMNTQRPELLLAVRTLSGMCSGH RARATAILHAVRIDRICSLMALENEEMSLAVCNLLQAIIDSLSGEDKREHRGKEEALVLDTKKDLKQITS HLLDMLVSKKVSQGRDQALNLLNKNVPRKDLSDNSRTIYVVDNGLRKILKVVGVQVDPDLPSCPLPTDN TRMLASILINKLYDDLRCDPERDHFRCICEEYITSKFDPQDMDKNVNAIQTVSGILQGPFDLGNQLLGMK GVMEMMVALCGSEREADQLVAVEALIHASTKLSRATFIITNGVTLLKQIYKTTKNEKIKIRTLVGLCKLG SAGGSDYGLRQFAEGSTEKLAKQCRKWLCNTAIDTRRRWAVEGLAYLTLADAVKDDFVQDIPALQAMFE LAKTSDKTILYSVANTLVNCTNSYDVKEVPELVQLAKFSKQHVPEEHPKDKDFVDLVRKRLKAGVIS ALACMVKADSAILTDQTKELLARVFLALCDNPKDRGTIVAQGGGKALIPLALEGTDVGKVKAAHGLAKIA AVSNPDIAFPGERVYEVVRPLVSLDQTDGLQNYEALLGLTNLSGRSDKLRQKIFKEKALPDIENYMF NHDQLRQAATECMCNMVLNKEVQERFLADGNDRLKLVLLCGEDDHKLQNAAGALAMLTAAHKKLCLKM TEVTTQWLEILQRLCLHDQLSVQHRGLVIAHNLLSADAELARKLVESELLEILTVVGKQEPDEKRAAVVQ TARECLIKCMDYGFIPVS</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	103.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_848795</a>
<b>Locus ID:</b>	217012
<b>UniProt ID:</b>	<a href="#">Q8CGY6</a>
<b>RefSeq Size:</b>	3677
<b>Cytogenetics:</b>	11 C
<b>RefSeq ORF:</b>	2787
<b>Synonyms:</b>	AA445617; Cmya4; D230041A13Rik; Unc45
<b>Summary:</b>	Acts as a co-chaperone for HSP90 and is required for proper folding of the myosin motor domain. Plays a role in sarcomere formation during muscle cell development (PubMed:12356907, PubMed:18326487, PubMed:18478096). Is necessary for normal early lens development (By similarity).[UniProtKB/Swiss-Prot Function]