

Product datasheet for **TP522204**

Hspb6 (NM_001012401) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse heat shock protein, alpha-crystallin-related, B6 (Hspb6), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222204 protein sequence Red =Cloning site Green =Tags(s)
	MEIPVPVQPSWLRRASAPLPGFSAPGRLFDQRFEGGLLEAELASLCPAAIAPYYLRAPSVALPTAQVSTD SGYFSVLLDVKHFLPEEISVKVDDHVEVHARHEERPDEHGFIAREFHRRYRLPPGVDPAAVTSALSPEG VLSIQATPASAQAQLPSPPAAK
	TR TRPLE Q KLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	17.5 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:	<u>NP_001012401</u>
Locus ID:	243912
UniProt ID:	<u>Q5EBG6</u>
RefSeq Size:	1383
Cytogenetics:	7 B1



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RefSeq ORF: 489

Synonyms: AA387366; Gm479; Hsp20

Summary: Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state. Seems to have versatile functions in various biological processes. Plays a role in regulating muscle function such as smooth muscle vasorelaxation and cardiac myocyte contractility. May regulate myocardial angiogenesis implicating KDR. Overexpression mediates cardioprotection and angiogenesis after induced damage. Stabilizes monomeric YWHAZ thereby supporting YWHAZ chaperone-like activity. [UniProtKB/Swiss-Prot Function]