Recombinant Mouse Hspb6 Protein, Myc/DDK-tagged

Cat. No. Hspb6-3455M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length heat shock protein, alpha-crystallin-related, B6 (Hspb6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	17.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Hspb6 heat shock protein, alpha-crystallin-related, B6 [Mus musculus (house mouse)]
Official Symbol	Hspb6
Synonyms	HSPB6; heat shock protein, alpha-crystallin-related, B6; heat shock protein beta-6; cardiac p20; cardiac heat shock protein p20; Gm479; Hsp20; AA387366; MGC107687
Gene ID	243912
mRNA Refseq	NM_001012401
Protein Refseq	NP_001012401
UniProt ID	Q5EBG6

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