Heat Shock Protein Beta-6 (HSPB6) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Heat shock protein beta-6 (Hspb6), Recombinant Protein
Full Product Name	Recombinant Mouse Heat shock protein beta-6 (Hspb6)
Product Gene Name	Hspb6 recombinant protein
Product Synonym Gene Name	Hspb6
Sequence	MEIPVPVQPS WLRRASAPLP GFSAPGRLFD QRFGEGLLEA ELASLCPAAI APYYLRAPSV ALPTAQVSTD SGYFSVLLDV KHFLPEEISV KVVDDHVEVH ARHEERPDEH GFIAREFHRR YRLPPGVDPA AVTSALSPEG VLSIQATPAS AQAQLPSPPA AK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	17,521 Da
Sequence Positions	1-162, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5EBG6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Hspb6 recombinant protein	MBS1416179 is a recombinant protein targeting Hspb6. Also known as Recombinant Mouse Heat shock protein beta-6 (Hspb6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Hspb6 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Hspb6. It may not necessarily be applicable to this product.

NCBI GI #	59958370
NCBI GeneID	243912
NCBI Accession #	NP_001012401.1
UniProt Primary Accession #	Q5EBG6
UniProt Related Accession #	Q5EBG6
GenBank Nucleotide #	NM_001012401.2

NCBI Official Full Name	heat shock protein beta-6
NCBI Official Synonym Full Names	heat shock protein, alpha-crystallin-related, B6
NCBI Official Symbol	Hspb6
NCBI Official Synonym Symbols	Gm479; Hsp20; AA387366
UniProt Protein Name	Heat shock protein beta-6
Protein Family	Heat shock protein
UniProt Gene Name	Hspb6
UniProt Synonym Gene Names	Gm479; HspB6
NCBI Protein Information	heat shock protein beta-6
UniProt Comments for Hspb6	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.
Research Articles on Hspb6	**1.** Increased expression of Hsp20 in neuroblastoma cells protected against ischemia-reperfusion injury.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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