Recombinant Human HSPB3, His-tagged

Cat. No. HSPB3-3625H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSPB3 protein, fused to His-tag at N-terminus, was expressed in E.coli (1-150 aa).
Species	Human
Source	Human
Description	HSPB3, also known as HSPL27, is a muscle-specific small heat shock protein. It is expressed preferentially in heart and skeletal muscle. Mammalian small heat shock proteins (sHSP) is a abundantly expressed proteins with diverse functions, including the assembly and sequestering of multi-protein complexes, transportation of nascent polypeptide chains across cellular membranes and regulation of protein folding. HSPB3 functions as an ATP-dependent chaperone protein that plays a role in the refolding of denatured proteins and may also Inhibitor of actin polymerization.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0), 5% glycerol, 1M Urea.
Molecular Weight	19.1 kDa (170aa)
Purity	> 85 % by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAKIILRHLI EIPVRYQEEF EARGLEDCRL DHALYALPGP TIVDLRKTRA AQSPPVDSAA ETPPREGKSH FQILLDVVQF

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	LPEDIIIQTF EGWLLIKAQH GTRMDEHGFI SRSFTRQYKL PDGVEIKDLS AVLCHDGILV VEVKDPVGTK
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	HSPB3 heat shock 27kDa protein 3 [Homo sapiens]
Official Symbol	HSPB3
Synonyms	HSPB3; HMN2C; DHMN2C; HSPL27; HspB3; heat shock 27kDa protein 3; heat shock protein beta-3; HSP 17; protein 3; OTTHUMP00000122478; heat shock 17 kDa protein
Gene ID	8988
mRNA Refseq	NM_006308
Protein Refseq	NP_006299
MIM	604624
UniProt ID	Q12988
Chromosome Location	5q11.2

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