

## Recombinant Human HSPB3, His-tagged

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

### SPECIFICATION

|                                 |   |
|---------------------------------|---|
| <b>Product Overview</b>         | Recombinant human HSPB3 protein, fused to His-tag at N-terminus, was expressed in E.coli (1-150 aa).  |
| <b>Species</b>                  | Human   |
| <b>Source</b>                   | Human   |
| <b>Description</b>              | 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. |
| <b>Form</b>                     | Liquid. In 20mM Tris-HCl buffer (pH 8.0), 5% glycerol, 1M Urea.   |
| <b>Molecular Weight</b>         | 19.1 kDa (170aa)  |
| <b>Purity</b>                   | > 85 % by SDS - PAGE  |
| <b>Concentration</b>            | 1 mg/ml (determined by Bradford assay )   |
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MAKIILRHLLI EIPVRYQEEF EARGLEDCLL<br>DHALYALPGP TIVDLRKTRA AQSPVDSAA 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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