

**HSPB3, 1-150aa, Human, His tag, E.coli**

**Cat.NO.: TP02534**

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3th Edition

**Synonyms:**Heat shock protein beta-3, DHMN2C, HMN2C, HSPL27.

**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0), 5% glycerol, 1M Urea.

**Molecular Weight:**19.1 kDa (170aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMAKIILRHLIEIPVRYQEEFEARGLEDCRLDHALYALPGPTIVDLRKTRAAQSPPVD  
SAAETPPREGKSHFQILLDVVQFLPEDIIIQTFEGWLLIKAQHGTRMDEHGFISRSFTRQYKLPDGVKIDLSAVLCHD  
GILVVEVKDPVGTK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay )

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.