

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

Cat.NO.: TP02534

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:

MGSSHHHHHHSSGLVPRGSHMAKIILRHLIEIPVRYQEEFEARGLEDCRLDHALYALPGPTIVDLRKTRAAQSPPVD
SAAETPPREGKSHFQILLDVVQFLPEDIIQTFEGWLLIKAQHGTRMDEHGFISRSFTRQYKLDPDGVEIKDLSAVLCHD
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.