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AR39144PU-L Human HSPB3 (1-150, His-tag) - Purified

Alternate names: HSP27, HSPL27, Heat shock protein beta-3, Protein 3

Quantity: 0.5 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: <u>Q12988</u>

NCBI: NP 006299

GeneID: 8988
Species: Human
Source: E. coli

Format: State: Liquid purified protein

Purity: >85%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 5% glycerol, 1M Urea

Description: Recombinant human HSPB3, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MAKIILRHLI EIPVRYQEEF EARGLEDCRL DHALYALPGP TIVDLRKTRA AQSPPVDSAA ETPPREGKSH FQILLDVVQF LPEDIIIQTF EGWLLIKAQH

GTRMDEHGFI SRSFTRQYKL PDGVEIKDLS AVLCHDGILV VEVKDPVGTK

Molecular weight: 19.1 kDa (170 aa)

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for

longer.

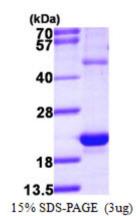
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Fontaine JM., et al. (2005) Biochem Biophys Res Commun. 337(3):1006-11.

Suqiyama Y., et al. (2000) J Biol Chem. 275(2):1095-104.



Pictures:



Recombinant human HSPB3, 1-150 aa, His-tagged

