

## OriGene Technologies, Inc.

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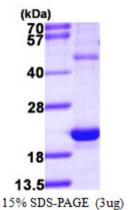
## AR39144PU-N Human HSPB3 (1-150, His-tag) - Purified

Alternate names:	HSP27, HSPL27, Heat shock protein beta-3, Protein 3
Quantity:	0.1 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:	<u>NP_006299</u>
GenelD:	<u>8988</u>
Species:	Human
Source:	E. coli
Format:	<b>State:</b> Liquid purified protein <b>Purity:</b> >85% <b>Buffer System:</b> 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.

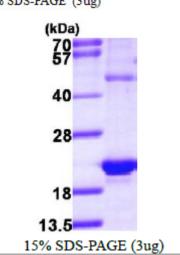
For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

MP/20130116

Pictures:



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



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