Recombinant Human HSPB7, His-tagged

Cat. No. HSPB7-2047H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSPB7 protein fused to His-tag was expressed in*E.coli*and purified by using conventional chromatography techniques. 20.7kDa (190aa).
Species	Human
Source	E.coli
Description	HSPB7 is a member of HSPB (Heat shock protein beta) family. The HSPB family is one of the more diverse families within the group of HSP families. Some members have chaperone-like activities and/or play a role in cytoskeletal stabilization. Some members also show a dynamic, stress-induced translocation to SC35 splicing speckles. HSPB7 constitutively localized to SC35 splicing speckles, driven by its N-terminus. Unlike HSPB1 and HSPB5, that chaperoned heat unfolded substrates and kept them folding competent, HSPB7 did not support refolding.
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 200mM NaCl, 2mM DTT, 50% glycerol.
Purity	> 85% by SDS - PAGE.
Concentration	0.25 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSHRTSSTFR AERSFHSSSS SSSSSTSSSA SRALPAQDPP MEKALSMFSD DFGSFMRPHS EPLAFPARPG GAGNIKTLGD AYEFAVDVRD FSPEDIIVTT SNNHIEVRAE KLAADGTVMN TFAHKCQLPE

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	DVDPTSVTSA LREDGSLTIR ARRHPHTEHVQQTFRTEIKI.
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	HSPB7 heat shock 27kDa protein family, member 7 (cardiovascular) [Homo sapiens]
Synonyms	heat shock 27kDa protein family, member 7 (cardiovascular); cvHSP; FLJ32733; DKFZp779D0968; HSPB7; heat shock protein beta-7; cardiovascular heat shock protein; heat shock 27kD protein family, member 7 (cardiovascular); Cardiovascular heat shock protein; cvHsp; HspB7
Gene ID	27129
mRNA Refseq	NM_014424
Protein Refseq	NP_055239
MIM	610692
UniProt ID	Q9UBY9
Chromosome Location	1p36.23-p34.3
Function	protein C-terminus binding; protein binding

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