

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 <i>E. coli</i> and purified by using conventional chromatography techniques. 20.7kDa (190aa).
Species	Human
Source	<i>E. coli</i>
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 DFGSFM RPHS 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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