

Recombinant Human HSPB7, His-tagged

Cat. No. HSPB7-26656TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human cvHSP with an N-terminal His tag; predicted MWt 20.7 kDa including the tag.
Species	Human
Source	E.coli
ProteinLength	170 amino acids
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.
Conjugation	HIS
Molecular Weight	20.700kDa inclusive of tags
Tissue specificity	Isoform 1 is highly expressed in adult and fetal heart, skeletal muscle, and at a much lower levels in adipose tissue and in aorta. Undetectable in other tissues. Isoform 2 and isoform 3 are poorly detected in heart.
Form	Liquid
Purity	by SDS-PAGE

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Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 1.17% Sodium chloride, 0.03% DTT, 50% Glycerol
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMSHRTSSTFRAERSFHSSSS SSSSSTSSSASRALP AQDPPMEKALSMFSDDFGSFMRPHS EPLAFPARPGGAGNIKTLGDAYEFAVDVRD FSPEDIIVTT SNNHIEVRAEKLAADGTVMTFAHKCQLPEDVDPTSVTSA LREDGSL TIRARRHPHTEHVQQTFRTEIKI
Sequence Similarities	Belongs to the small heat shock protein (HSP20) family.

GENE INFORMATION

Gene Name	HSPB7 heat shock 27kDa protein family, member 7 (cardiovascular) [Homo sapiens]
Official Symbol	HSPB7
Synonyms	HSPB7; heat shock 27kDa protein family, member 7 (cardiovascular); heat shock 27kD protein family, member 7 (cardiovascular); heat shock protein beta-7; cvHSP;
Gene ID	27129
mRNA Refseq	NM_014424
Protein Refseq	NP_055239
MIM	610692
Uniprot ID	Q9UBY9

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Chromosome Location	1p36.23-p34.3
Function	protein C-terminus binding; protein binding;