Recombinant Human HSPB8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HSPB8-6700H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HSPB8 MS Standard C13 and N15-labeled recombinant protein (NP_055180) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression of this gene in induced by estrogen in estrogen receptor-positive breast cancer cells, and this protein also functions as a chaperone in association with Bag3, a stimulator of macroautophagy. Thus, this gene appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease.
Molecular Mass	21.6 kDa
AA Sequence	MADGQMPFSCHYPSRLRRDPFRDSPLSSRLLDDGFGMDPFPDDLTASWPDWALP RLSSAWPGTLRSGMVPRGPTATARFGVPAEGRTPPPFPGEPWKVCVNVHSFKPEE LMVKTKDGYVEVSGKHEEKQQEGGIVSKNFTKKIQLPAEVDPVTVFASLSPEGLLIIE APQVPPYSTFGESSFNNELPQDSQEVTCTTRTRPLEQKLISEEDLAANDILDYKDDD DKV

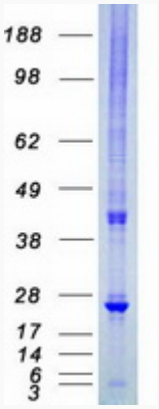
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	HSPB8 heat shock 22kDa protein 8 [Homo sapiens (human)]
Official Symbol	HSPB8
Synonyms	HSPB8; heat shock 22kDa protein 8; heat shock 27kDa protein 8; heat shock protein beta-8; E2IG1; H11; HSP22; HspB8; protein kinase H11; alpha-crystallin C chain; E2-induced gene 1 protein; small stress protein-like protein HSP22; HMN2; CMT2L; DHMN2; HMN2A;
Gene ID	26353
mRNA Refseq	NM_014365
Protein Refseq	NP_055180
MIM	608014
UniProt ID	Q9UJY1

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SDS-PAGE	

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