

Recombinant Human HSPB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HSPB2-5319H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HSPB2 MS Standard C13 and N15-labeled recombinant protein (NP_001532) 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 protein is expressed preferentially in the heart and skeletal muscle. This protein regulates Myotonic Dystrophy Protein Kinase, which plays an important role in maintenance of muscle structure and function.
Molecular Mass	20.2 kDa
AA Sequence	MSGRSVPHAHPATAEYEFANPSRLGEQRFGEGLLP EEILTPTLYHGYYVRPRAAPAGEGSRAGASELR LSEGKFQAFLDVSHFTPDEVTVRTVDNLLVSARHPQRLDRHGFVSREFCRTYVLPADVDPWRVRAALSHDGILNLEAPRGGRHLDTEVNEVYISLLPAPPDPEEEEEAAIVEPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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.

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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	HSPB2 heat shock 27kDa protein 2 [Homo sapiens (human)]
Official Symbol	HSPB2
Synonyms	HSPB2; heat shock 27kDa protein 2; heat shock 27kD protein 2; heat shock protein beta-2; Hs.78846; MKBP; DMPK-binding protein; heat-shock protein beta-2; HSP27; LOH11CR1K; MGC133245;
Gene ID	3316
mRNA Refseq	NM_001541
Protein Refseq	NP_001532
MIM	602179
UniProt ID	Q16082

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SDS-PAGE

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