

Product datasheet for PH314718

HSPB2 (NM_001541) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSPB2 MS Standard C13 and N15-labeled recombinant protein (NP_001532)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214718
Predicted MW:	20.2 kDa
Protein Sequence:	>RC214718 protein sequence Red=Cloning site Green=Tags(s) MSGRSVPHAHPATAEYEFANPSRLGQRFGEGLLPEEILTPPLYHGYYVRPRAAPAGEGSRAGASELRLS EGKFQAFLDVSHFTPDEVTVRTVDNLLVVSARHPQRLDRHGFVSREFCRTYVLPADVDPWRVRAALSHDG ILNLEAPRGRHLDTEVNEVYISLLPAPPDPEEEEEAAIVEP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001532
RefSeq Size:	858
RefSeq ORF:	546
Synonyms:	Hs.78846; HSP27; LOH11CR1K; MKBP
Locus ID:	3316
UniProt ID:	Q16082 , A8KAH6



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Cytogenetics: 11q23.1

Summary: 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. [provided by RefSeq, Dec 2012]

Product images:



Coomassie blue staining of purified HSPB2 protein (Cat# [TP314718]). The protein was produced from HEK293T cells transfected with HSPB2 cDNA clone (Cat# [RC214718]) using MegaTran 2.0 (Cat# [TT210002]).