

Product datasheet for PH302861

cvHSP (HSPB7) (NM_014424) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSPB7 MS Standard C13 and N15-labeled recombinant protein (NP_055239)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202861
Predicted MW:	18.6 kDa
Protein Sequence:	>RC202861 protein sequence Red=Cloning site Green=Tags(s) MSHRTSSTFRAERSFHSSSSSSSTSSASRALPAQDPPMEKALSMFSDDFGSFMRPHSEPLAFPARPG GAGNIKTLGDAYEFAVDVRFSPEDIIVTTSNNHIEVRAEKLAADGTMNTFAHKCQLPEDVDPTSVTSA LREDGSLTIRARRHPHTEHVQQTFRTEIKI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<u>NP_055239</u>
RefSeq Size:	2908
RefSeq ORF:	510
Synonyms:	cvHSP
Locus ID:	27129
UniProt ID:	<u>Q9UBY9</u>

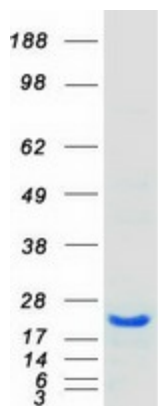


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Cytogenetics: 1p36.13

Summary: This gene encodes a small heat shock family B member that can heterodimerize with similar heat shock proteins. Defects in this gene are associated with advanced heart failure. In addition, the encoded protein may be a tumor suppressor in the p53 pathway, with defects in this gene being associated with renal cell carcinoma. [provided by RefSeq, Mar 2017]

Product images:



Coomassie blue staining of purified HSPB7 protein (Cat# [TP302861]). The protein was produced from HEK293T cells transfected with HSPB7 cDNA clone (Cat# [RC202861]) using MegaTran 2.0 (Cat# [TT210002]).