

Product datasheet for **TP301040M**

Hsp22 (HSPB8) (NM_014365) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human heat shock 22kDa protein 8 (HSPB8), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201040 protein sequence Red =Cloning site Green =Tags(s)
	MADGQMPFSCHYPSRLRRDPFRDPSPLSSRLDDGFGMDPFPDDLTASWPDWALPRLSSAWPGTLRSGMVP RGPTATARFGVPAEGRTPPPPGEPWKVCVNVHSFKPEELMVKTKDGYVEVSGKHEEKQEGGIVSKNFT KKIQLPAEVDPTVVFASLSPEGLLIEAPQVPPYSTFGESSFNNELPQDSQEVCT
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	21.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055180
Locus ID:	26353
UniProt ID:	Q9UJY1
RefSeq Size:	2056



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Cytogenetics: 12q24.23

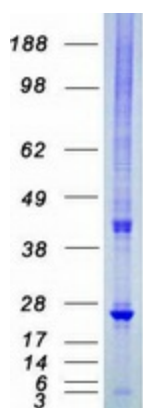
RefSeq ORF: 588

Synonyms: CMT2L; DHMN2; E2IG1; H11; HMN2; HMN2A; HSP22

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 expression of this gene is 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified HSPB8 protein (Cat# [TP301040]). The protein was produced from HEK293T cells transfected with HSPB8 cDNA clone (Cat# [RC201040]) using MegaTran 2.0 (Cat# [TT210002]).