

## Product datasheet for **TP302891M**

### Cpn10 (HSPE1) (NM\_002157) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human heat shock 10kDa protein 1 (chaperonin 10) (HSPE1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202891 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MAGQAFRKFLPLFDRVLVERSAAEVTKGGIMLPEKSQGKVLQATWAVGSGSKGKGGEIQVSVKVGDK VLLPEYGGTKVVLDDDKDYFLFRDGDILGKYVD
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	10.8 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:	<u><a href="#">NP_002148</a></u>
Locus ID:	3336
UniProt ID:	<u><a href="#">P61604</a></u> , <u><a href="#">A0A384N6A4</a></u>
RefSeq Size:	965
Cytogenetics:	2q33.1



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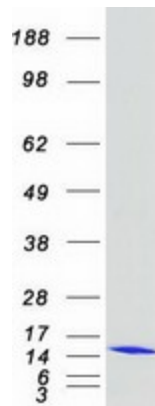
RefSeq ORF: 306

Synonyms: CPN10; EPF; GROES; HSP10

**Summary:** This gene encodes a major heat shock protein which functions as a chaperonin. Its structure consists of a heptameric ring which binds to another heat shock protein in order to form a symmetric, functional heterodimer which enhances protein folding in an ATP-dependent manner. This gene and its co-chaperonin, HSPD1, are arranged in a head-to-head orientation on chromosome 2. Naturally occurring read-through transcription occurs between this locus and the neighboring locus MOBKL3.[provided by RefSeq, Feb 2011]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified HSPE1 protein (Cat# [TP302891]). The protein was produced from HEK293T cells transfected with HSPE1 cDNA clone (Cat# [RC202891]) using MegaTran 2.0 (Cat# [TT210002]).