

## Product datasheet for **TP304812**

### **HSPC014 (POMP) (NM\_015932) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human proteasome maturation protein (POMP), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204812 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MNARGLGSELKDSIPVTELSASGPFESHDLRLKGFSCVKNELLPSHPLELSEKNFQLNQDKMNFSTLRNI QGLFAPLKLQMEFKAVQVQRLPFLSSSNLSLDVLRGNDETIGFEDILNDPSQSEVMGEPHLMVEYKLG L  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	15.6 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:	<a href="#">NP_057016</a>
Locus ID:	51371
UniProt ID:	<a href="#">Q9Y244</a>
RefSeq Size:	1477



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Cytogenetics: 13q12.3

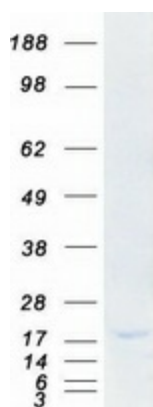
RefSeq ORF: 423

Synonyms: C13orf12; HSPC014; PNAS-110; PRAAS2; UMP1

**Summary:** The protein encoded by this gene is a molecular chaperone that binds 20S preproteasome components and is essential for 20S proteasome formation. The 20S proteasome is the proteolytically active component of the 26S proteasome complex. The encoded protein is degraded before the maturation of the 20S proteasome is complete. A variant in the 5' UTR of this gene has been associated with KLICK syndrome, a rare skin disorder.[provided by RefSeq, Aug 2010]

**Protein Pathways:** Proteasome

### Product images:



Coomassie blue staining of purified POMP protein (Cat# TP304812). The protein was produced from HEK293T cells transfected with POMP cDNA clone (Cat# [RC204812]) using MegaTran 2.0 (Cat# [TT210002]).