

Product datasheet for **TP303204M**

PSMD2 (NM_002808) Human Recombinant Protein

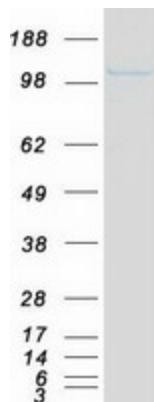
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human proteasome (prosome, macropain) 26S subunit, non-ATPase, 2 (PSMD2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203204 protein sequence Red =Cloning site Green =Tags(s)
	<p>MEEGGRDKAPVQPQQSPAAAPGGTDEKPSGKERRDAGDKDKEQELSEEDKQLQDELEMLVERLGEKDTSL YRPALEELRRQIRSSTTSMTSVPKPLKFLRPHYGKLEIYENMAPGENKRFAADIISVLAMTMSGERECL KYRLVGSQEELASWGHEYVRHLAGEVAKIEWQELDDAEKVQREPLTLVKEIVPYNMAHNAEHEACDLLME IEQVDMLEKDIDENAYAKVCLYLTSVCVNYVPEPENSALLRCALGVFRKFSRFPALRLALMLNDMELVED IFTSCKDWWWQKQMAFMLGRHGVFLELSEDEVEEYEDLTEIMSNVQLNSNFLALARELDIMEPKVPDDIYK THLENNRFGGSGSQVDSARMNLASSFVNGFVNAAFGQDKLLTDDGNKWLYKNKDHGMLSAASLGMILLW DVDGGLTQIDKYLYSSEDIKSGALLACGIVNSGVRNECDPALALLSDYVLHNSNTMRLGSI FGLGLAYA GSNREDVLTLLLPVMGDSKSSMEVAGVTALACGMIAVGSCNGDVTSTILQTIMEKSETELKDTYARWLPL GLGLNHLGKGEAIEAILAALEVSEPFVRFANTLVDVCAVAGSGNVLKVQQLLHICSEHFDSKEEKEDKD KKEKKDKKKEAPADMGAHQGVAVLGIAMGEEIGAEMALRTFGHLLRYGEPTLRRAVPLALALISVS NPRLNILDTLKFSHDADPEVSYYISIFAMGMVSGTNNARLAAMLRLQAQYHAKDPNNLFMVRLAQLGLTH LGKGTLTLCYPYHSDRQLMSQVAVAGLLTVLVSFLDVRNIILGKSHYVLYGLVAAMQPRMLVTFDEELRPL PVSVRVGQAVDVVGQAGKPKTITGFQTHTPVLLAHGERAELATEEFLPVTPILEGFVILRKNPNYDL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	100 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.



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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_002799
Locus ID:	5708
UniProt ID:	Q13200
RefSeq Size:	3076
Cytogenetics:	3q27.1
RefSeq ORF:	2724
Synonyms:	P97; RPN1; S2; TRAP2
Summary:	<p>The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, this subunit may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]</p>
Protein Families:	Druggable Genome
Protein Pathways:	Proteasome

Product images:

Coomassie blue staining of purified PSMD2 protein (Cat# [TP303204]). The protein was produced from HEK293T cells transfected with PSMD2 cDNA clone (Cat# [RC203204]) using MegaTran 2.0 (Cat# [TT210002]).