

Product datasheet for **TP305723M**

Proteasome subunit beta type 4 (PSMB4) (NM_002796) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human proteasome (prosome, macropain) subunit, beta type, 4 (PSMB4), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC205723 representing NM_002796
Red=Cloning site Green=Tags(s)

MEAFGLSRSGLWAGGPAPGQFYRIPSTPDSFMDPASALYRGPITRTQNPMTGTSLVGVKFEKGGVIAAD
 MLGSYGLARFRNISRIMRVNNSTMLGASGDYADFQYLKQVLGQMVIDEELLGDGHSYSPRAIHSWLTRA
 MYSRRSKMNPLWNTMVIGGYADGESFLGYVDM LGVAYEAPSLATGYGAYLAQPLLREVLEKQPVLSQTEA
 RDLVERCMRVLYRDARSYNRFQIATVTEKGVIEGPLSTETNWDIAHMISGFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 29 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_002787](#)

Locus ID: 5692



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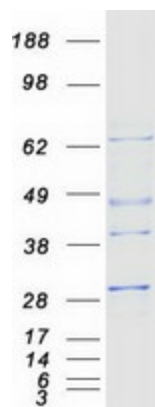
UniProt ID: [P28070](#), [A0A140VK46](#)
RefSeq Size: 925
Cytogenetics: 1q21.3
RefSeq ORF: 792
Synonyms: HN3; HsN3; PRAAS3; PROS-26; PROS26

Summary: The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protease

Protein Pathways: Proteasome

Product images:



Coomassie blue staining of purified PSMB4 protein (Cat# [TP305723]). The protein was produced from HEK293T cells transfected with PSMB4 cDNA clone (Cat# [RC205723]) using MegaTran 2.0 (Cat# [TT210002]).