

Product datasheet for TP324611M

PSMB8 (NM_148919) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Description: Recombinant protein of human proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7) (PSMB8), transcript variant 2, 100 µg Species: Human **Expression Host:** HEK293T **Expression cDNA** >RC224611 representing NM 148919 **Clone or AA** Red=Cloning site Green=Tags(s) Sequence: MALLDVCGAPRGQRPESALPVAGSGRRSDPGHYSFSMRSPELALPRGMQPTEFFQSLGGDGERNVQIEMA HGTTTLAFKFQHGVIAAVDSRASAGSYISALRVNKVIEINPYLLGTMSGCAADCQYWERLLAKECRLYYL RNGERISVSAASKLLSNMMCQYRGMGLSMGSMICGWDKKGPGLYYVDEHGTRLSGNMFSTGSGNTYAYGV MDSGYRPNLSPEEAYDLGRRAIAYATHRDSYSGGVVNMYHMKEDGWVKVESTDVSDLLHQYREANQ **TRTRPLEQKLISEEDLAANDILDYKDDDDKV** C-Myc/DDK Tag: Predicted MW: 30.2 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 Recombinant protein was captured through anti-DDK affinity column followed by conventional **Preparation:** 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. Store at -80°C. Storage: 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 683720 Locus ID: 5696



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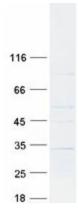
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	PSMB8 (NM_148919) Human Recombinant Protein – TP324611M
UniProt ID:	<u>P28062, X5CMJ9</u>
RefSeq Size:	1135
Cytogenetics:	6p21.32
RefSeq ORF:	828
Synonyms:	ALDD; D6S216; D6S216E; JMP; LMP7; NKJO; PRAAS1; PSMB5i; RING10
Summary:	The proteasome is a 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. This gene is located in the class II region of the MHC (major histocompatibility complex). Expression of this gene is induced by gamma interferon and this gene product replaces catalytic subunit 3 (proteasome beta 5 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. Two alternative transcripts encoding two isoforms have been identified; both isoforms are processed to yield the same mature subunit. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protease

Protein Pathways: Proteasome

Product images:



Coomassie blue staining of purified PSMB8 protein (Cat# [TP324611]). The protein was produced from HEK293T cells transfected with PSMB8 cDNA clone (Cat# [RC224611]) using MegaTran 2.0 (Cat# [TT210002]).

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