Recombinant Human PSMB4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PSMB4-1545H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PSMB4 MS Standard C13 and N15-labeled recombinant protein (NP_002787) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	29 kDa
AA Sequence	MEAFLGSRSGLWAGGPAPGQFYRIPSTPDSFMDPASALYRGPITRTQNPMVTGTSV LGVKFEGGVVIAADMLGSYGSLARFRNISRIMRVNNSTMLGASGDYADFQYLKQVL GQMVIDEELLGDGHSYSPRAIHSWLTRAMYSRRSKMNPLWNTMVIGGYADGESFL GYVDMLGVAYEAPSLATGYGAYLAQPLLREVLEKQPVLSQTEARDLVERCMRVLYY

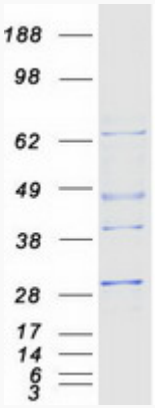
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	RDARSYNRFQIATVTEKGVEIEGPLSTETNWDIAHMISGFETRTRPLEQKLISEEDLA ANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PSMB4 proteasome 20S subunit beta 4 [Homo sapiens (human)]
Official Symbol	PSMB4
Synonyms	PSMB4; proteasome (prosome, macropain) subunit, beta type, 4; proteasome subunit beta type-4; HN3; PROS26; hsBPROS26; proteasome chain 3; macropain beta chain; proteasome beta chain; 26 kDa prosomal protein; proteasome subunit HsN3; proteasome subunit, beta type, 4; multicatalytic endopeptidase complex beta chain; HsN3; PROS-26;
Gene ID	5692
mRNA Refseq	NM_002796
Protein Refseq	NP_002787

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MIM	602177
UniProt ID	P28070
SDS-PAGE	

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