

Recombinant Human PSMB4, His-tagged

Cat. No. PSMB4-840H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSMB4 was produced in E.coli with a His tag at N-terminus. MW = 29192Da (1-264aa).
Species	Human
Source	E.coli
ProteinLength	1-264 a.a.
Description	Proteasome subunit beta type-4 is a protein that in humans is encoded by the PSMB4 gene. 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.
Form	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN3. 10mM DTT.
Purity	95%.
Clonality	N/A.

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Applications MS. SDS.

GENE INFORMATION

Gene Name PSMB4 proteasome (prosome, macropain) subunit, beta type, 4 [Homo sapiens]

Synonyms PSMB4; proteasome (prosome, macropain) subunit, beta type, 4; HN3; HsN3; PROS26; PROS-26; proteasome subunit beta type-4; 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; EC 3.4.25.1

Gene ID 5692

mRNA Refseq NM_002796

Protein Refseq NP_002787

MIM 602177

UniProt ID P28070

Chromosome Location 1q21

Pathway Proteasome

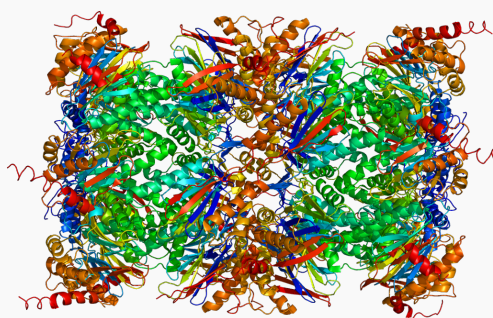
Function lipopolysaccharide binding; peptidase activity; threonine-type endopeptidase activity

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PDB rendering based
on 1iru.



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