

Recombinant Human PSMB9, His-tagged

Cat. No. PSMB9-3497H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMB9 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	PSMB9, also known as proteasome subunit beta type-9, is a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. This protein is located in the class II region of the MHC (major histocompatibility complex). Expression of this protein is induced by gamma interferon and this gene product replaces catalytic subunit 1 (proteasome beta 6 subunit) in the immunoproteasome.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 50mM NaCl
Molecular Weight	23.5 kDa (220aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MTTIMAVEFD GGVVMGSDSR VSAGEAVVNR VFDKLSPLHE RIYCALSGSAADAQAVADMA AYQLELHGIELEEPPLVLAA ANVVRNISYK YREDLSAHLM VAGWDQREGG QVYGTGGML TRQPFAIGGS

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GSTFIYGYVD AAYKPGMSPE ECRRFTTDAIALAMSRDGSS GGVIYLVITIT
AAGVDHRVIL GNELPKFYDE

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

PSMB9 proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2) [Homo sapiens]

Synonyms

PSMB9; LMP2; PSMB6i; RING12; beta1i; MGC70470; proteasome subunit beta type-9; macropain chain 7; OTTHUMP00000178622; OTTHUMP00000178623; proteasome chain 7; proteasome-related gene 2; proteasome subunit beta 6i; proteasome subunit beta-1i; low molecular mass protein 2; proteasome catalytic subunit 1i; really interesting new gene 12 protein; multicatalytic endopeptidase complex chain 7; NP_002791.1; EC 3.4.25.1

Gene ID

5698

mRNA Refseq

NM_002800

Protein Refseq

NP_002791

MIM

177045

UniProt ID

P28065

**Chromosome
Location**

6p21.3

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Function

peptidase activity; threonine-type endopeptidase activity

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