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 QVYGTLGGML TRQPFAIGGS

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	GSTFIYGYVD AAYKPGMSPE ECRRFTTDAIALAMSRDGSS GGVIYLVTIT 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; multicatalyticendopeptidase 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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