

Recombinant Human PSMB7 protein, T7-tagged

Cat. No. PSMB7-161H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMB7 (277 aa) protein fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	277 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGEFMAAVSVYAPPVGGFSFDNCRRNAVLEADFAKRGYKLPKV RKTGTTIAGVVYKDGIVLGAD TRATEGMVVADKNCSKIHFI SPNIYCCGAGTAADTD MTTQLISSNLELHSLSTGRLPRVVTANRMLKQMLFRYQG YIGAALVLGGVDVTGPH LYSIYPHGSTDKLPYVTMGSGSLAAMAVFEDKFRPDMEEEEAKNLVSEAIAAGIFND L GSGSNIDLCVISKNKLDFLRPYTPVNKKGTRLGRYRCEKGTTAVLTEKITPLEIEVLE ETVQTMDS
Purity	>90% by SDS-PAGE
Storage	Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

GENE INFORMATION

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Gene Name	PSMB7 proteasome (prosome, macropain) subunit, beta type, 7 [Homo sapiens]
Official Symbol	PSMB7
Synonyms	PSMB7; macropain chain Z; proteasome subunit Z; proteasome subunit alpha; proteasome subunit beta 7;
Gene ID	5695
mRNA Refseq	NM_002799
Protein Refseq	NP_002790
MIM	604030
UniProt ID	Q99436
Chromosome Location	9q34.11-q34.12
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1, organism-specific biosystem; Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Activation of NF-kappaB in B Cells, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem;
Function	peptidase activity; protein binding; threonine-type endopeptidase activity;

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