

Recombinant Human PSMB8, GST-tagged

Cat. No. PSMB8-2020H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSMB8 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-272aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	PSMB8 proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7) [Homo sapiens]
Official Symbol	PSMB8
Synonyms	PSMB8; proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7); LMP7, proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7); proteasome subunit beta type-8; beta5i;

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D6S216E; PSMB5i; RING10; macropain subunit C13; proteasome subunit Y2; protease component C13; proteasome component C13; proteasome-related gene 7; proteasome subunit beta 5i; low molecular mass protein 7; low molecular weight protein 7; proteasome catalytic subunit 3i; really interesting new gene 10 protein; multicatalytic endopeptidase complex subunit C13; JMP; ALDD; LMP7; NKJO; D6S216; MGC1491;

Gene ID	5696
mRNA Refseq	NM_004159
Protein Refseq	NP_004150
MIM	177046
UniProt ID	P28062
Chromosome Location	6p21.3
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; threonine-type endopeptidase activity;