

Recombinant Human PSMB9, GST-tagged

Cat. No. PSMB9-2021H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSMB9 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-219aa
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	PSMB9 proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2) [Homo sapiens]
Official Symbol	PSMB9
Synonyms	PSMB9; proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2); LMP2, proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2); proteasome subunit beta type-9; beta1i;

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	PSMB6i; RING12; macropain chain 7; 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; LMP2; MGC70470;
Gene ID	5698
mRNA Refseq	NM_002800
Protein Refseq	NP_002791
MIM	177045
UniProt ID	P28065
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; protein binding; threonine-type endopeptidase activity;