

Recombinant Human PSMA1, GST-tagged

Cat. No. PSMA1-2009H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSMA1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-263aa
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	PSMA1 proteasome (prosome, macropain) subunit, alpha type, 1 [Homo sapiens]
Official Symbol	PSMA1
Synonyms	PSMA1; proteasome (prosome, macropain) subunit, alpha type, 1; proteasome subunit alpha type-1; HC2; MGC1667; MGC14542; MGC14575; MGC14751; MGC21459; MGC22853; MGC23915; NU; PROS30; PROS-30; protein P30-33K; proteasome nu chain; macropain subunit C2; macropain subunit nu; proteasome

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subunit nu; 30 kDa prosomal protein; proteasome component C2; proteasome subunit, alpha-type, 1; multicatalytic endopeptidase complex subunit C2;

Gene ID

5682

mRNA Refseq

NM_001143937

Protein Refseq

NP_001137409

MIM

602854

UniProt ID

P25786

**Chromosome
Location**

11p15.1

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

RNA binding; peptidase activity; protein binding; threonine-type endopeptidase
 activity;

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