# Recombinant Human PSMA1, GST-tagged

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

## SPECIFICATION

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| **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℃. Avoid repeated freezing and thawing cycles. |
| **Storage Buffer** | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100,15%glycerol. |

## GENE INFORMATION

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| **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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