

Recombinant Human PSMD4 Protein, His/GST-tagged

Cat. No. PSMD4-422H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSMD4(Met1~Lys377) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Lys377
Description	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the non-ATPase subunits of the 19S regulator lid. Pseudogenes have been identified on chromosomes 10 and 21.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	70.7kDa

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Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PSMD4 proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 [Homo sapiens]
Official Symbol	PSMD4
Synonyms	PSMD4; proteasome (prosome, macropain) 26S subunit, non-ATPase, 4; 26S proteasome non-ATPase regulatory subunit 4; AF; AF 1; Rpn10; S5A; angiocidin; RPN10 homolog; antiseecretory factor 1; S5a/antiseecretory factor protein; multiubiquitin chain-binding protein; 26S proteasome regulatory subunit S5A; ASF; AF-1; MCB1; pUB-R5;
Gene ID	5710

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mRNA Refseq	NM_002810
Protein Refseq	NP_002801
MIM	601648
UniProt ID	P55036

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