

## Recombinant Human PSMD5 Protein, His-tagged

PSMD5-423H Human

Lot. No. (See product label)

### Specification

**Product Overview** Recombinant Human PSMD5(Lys143~Arg341) fused with His tag at N-terminal was expressed in E. coli.

**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. This gene encodes a non-ATPase subunit of the 19S regulator base that functions as a chaperone protein during 26S proteasome assembly.

**Source** E. coli

**Species** Human

**Tag** His

**Form** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Molecular Mass** 25.9kDa

**Protein length** Lys143~Arg341

**Endotoxin** <1.0EU per 1µg (determined by the LAL method)

**Purity** >99%

**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

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<b>Gene Name</b>	<a href="#">PSMD5 proteasome (prosome, macropain) 26S subunit, non-ATPase, 5 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">PSMD5</a>
<b>Synonyms</b>	PSMD5; proteasome (prosome, macropain) 26S subunit, non-ATPase, 5; 26S proteasome non-ATPase regulatory subunit 5; KIAA0072; S5B; 26S proteasome subunit S5B; 26S protease subunit S5 basic; MGC23145;
<b>Gene ID</b>	<a href="#">5711</a>
<b>mRNA Refseq</b>	<a href="#">NM_005047</a>
<b>Protein Refseq</b>	<a href="#">NP_005038</a>
<b>MIM</b>	<a href="#">604452</a>
<b>UniProt ID</b>	<a href="#">Q16401</a>

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