

Recombinant Human PSMC6 Protein, His-tagged

Cat. No. PSMC6-418H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSMC6(Ala2~Val403) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala2~Val403
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 ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. Pseudogenes have been identified on chromosomes 8 and 12.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	49.5kDa

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Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 92%
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	PSMC6 proteasome (prosome, macropain) 26S subunit, ATPase, 6 [Homo sapiens]
Official Symbol	PSMC6
Synonyms	PSMC6; proteasome (prosome, macropain) 26S subunit, ATPase, 6; 26S protease regulatory subunit 10B; p42; proteasome subunit p42; proteasome 26S subunit ATPase 6; conserved ATPase domain protein 44; 26S protease regulatory subunit S10B; 26S proteasome AAA-ATPase subunit RPT4; P44; SUG2; CADP44; MGC12520;
Gene ID	5706

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mRNA Refseq	NM_002806
Protein Refseq	NP_002797
MIM	602708
UniProt ID	P62333

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