Recombinant Human PSMC6 Protein, His-tagged

Cat. No. PSMC6-259H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSMC6 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	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. 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	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	44 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 ug/mL as determined by microplate BCA method

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
mRNA Refseq	NM_002806
Protein Refseq	NP_002797
MIM	602708
UniProt ID	P62333

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