

Recombinant Human PSMC6, T7-tagged

Cat. No. PSMC6-398H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSMC6 was expressed in <i>E. Coli</i> using an N-terminal T7 tag. MW=44.7 kDa.
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 α subunits and 2 rings are composed of 7 β 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.
Sequence	1-389.
Purity	~95%.
Specific Activity	n/aH.
Applications	This recombinant protein can be used for WB, ELISA, MS and neutralization assays.
Buffer	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN ₃ .
Storage	Store at -70°C. As with any protein, exposing PSMC6 recombinant protein to

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

SDS-PAGE

SDS PAGE Analysis of PSMC6 Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.

GENE INFORMATION

Gene Name PSMC6 proteasome (prosome, macropain) 26S subunit, ATPase, 6 [Homo sapiens]

Synonyms

PSMC6; proteasome (prosome, macropain) 26S subunit, ATPase, 6; P44; p42; SUG2; CADP44; MGC12520; proteasome 26S ATPase subunit 6; proteasome subunit p42; conserved ATPase domain protein 44; 26S protease regulatory subunit S10B

Gene ID

5706

mRNA Refseq

NM_002806

Protein Refseq

NP_002797

MIM

602708

UniProt ID

P62333

Chromosome Location

14q22.1

Pathway

Proteasome; Apoptosis; Cell Cycle Checkpoints; Cell Cycle, Mitotic; DNA Replication; HIV Infection; Metabolism of amino acids; Signaling by Wnt

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

ATP binding; ATPase activity; hydrolase activity; nucleotide binding; protein binding, bridging

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA