

Recombinant Human PSMC6 Protein (Ala2-Val403), His tagged

Cat. No. PSMC6-6042H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMC6 (Ala2-Val403) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala2-Val403
Description	Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. PSMC6 belongs to the heterohexameric ring of AAA (ATPases associated with diverse cellular activities) proteins that unfolds ubiquitinated target proteins that are concurrently translocated into a proteolytic chamber and degraded into peptides.
Form	Lyophilized powder/frozen liquid
Molecular Mass	42.94 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	PSMC6 proteasome (prosome, macropain) 26S subunit, ATPase, 6 [Homo sapiens (human)]
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

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MIM	602708
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UniProt ID	P62333
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