

Recombinant Human PSMC2 Protein (Met1-Asn433), His tagged

Cat. No. PSMC2-6040H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMC2 (Met1-Asn433) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Asn433
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. PSMC2 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	46.87 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	PSMC2 proteasome (prosome, macropain) 26S subunit, ATPase, 2 [Homo sapiens (human)]
Official Symbol	PSMC2
Synonyms	PSMC2; proteasome (prosome, macropain) 26S subunit, ATPase, 2; 26S protease regulatory subunit 7; mammalian suppressor of sg1 of yeast; MSS1; Nbla10058; protease 26S subunit 7; proteasome 26S subunit; ATPase; 2; putative protein product of Nbla10058; S7; proteasome 26S subunit ATPase 2; proteasome 26S subunit, ATPase, 2; 26S proteasome AAA-ATPase subunit RPT1; mammalian suppressor of sg1 of yeast; MGC3004;
Gene ID	5701
mRNA Refseq	NM_001204453
Protein Refseq	NP_001191382

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MIM	154365
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UniProt ID	P35998
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