

Recombinant Human PSMC4 Protein (Met1-Lys418), His tagged

Cat. No. PSMC4-6041H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMC4 (Met1-Lys418) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys418
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. PSMC4 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	45.61 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	PSMC4 proteasome (prosome, macropain) 26S subunit, ATPase, 4 [Homo sapiens (human)]
Official Symbol	PSMC4
Synonyms	PSMC4; proteasome (prosome, macropain) 26S subunit, ATPase, 4; MIP224; 26S protease regulatory subunit 6B; MB67 interacting protein; MGC8570; MGC13687; MGC23214; protease 26S subunit 6; S6; Tat binding protein 7; TBP 7; TBP7; TBP-7; Tat-binding protein 7; MB67-interacting protein; proteasome 26S subunit ATPase 4; 26S proteasome AAA-ATPase subunit RPT3;
Gene ID	5704
mRNA Refseq	NM_006503
Protein Refseq	NP_006494

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MIM	602707
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UniProt ID	P43686
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