Recombinant Human PSMC3 Protein (Asn2-Ala439), His tagged

Cat. No. PSMC3-3173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMC3 (Asn2-Ala439) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn2-Ala439
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. PSMC3 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.
Molecular Mass	47.57 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.

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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	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	PSMC3 proteasome (prosome, macropain) 26S subunit, ATPase, 3 [Homo sapiens (human)]
Official Symbol	PSMC3
Synonyms	PSMC3; proteasome (prosome, macropain) 26S subunit, ATPase, 3; 26S protease regulatory subunit 6A; TBP 1; TBP1; TBP-1; Tat-binding protein 1; proteasome subunit P50; proteasome 26S subunit ATPase 3; 26S proteasome AAA-ATPase subunit RPT5; human immunodeficiency virus tat transactivator binding protein-1; MGC8487;
Gene ID	5702
mRNA Refseq	NM_002804
Protein Refseq	NP_002795
MIM	186852

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UniProt ID	P17980

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