

Recombinant Mouse Psmc3 Protein, Myc/DDK-tagged

Cat. No. Psmc3-5184M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length proteasome (prosome, macropain) 26S subunit, ATPase 3 (Psmc3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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	49.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Psmc3 proteasome (prosome, macropain) 26S subunit, ATPase 3 [Mus musculus (house mouse)]
Official Symbol	Psmc3
Synonyms	PSMC3; proteasome (prosome, macropain) 26S subunit, ATPase 3; 26S protease regulatory subunit 6A; TAT-binding protein 1; Tat binding protein 1; proteasome 26S subunit ATPase 3; 26S proteasome AAA-ATPase subunit RPT5; TBP-1
Gene ID	19182
mRNA Refseq	NM_008948
Protein Refseq	NP_032974
UniProt ID	O88685