

Recombinant Mouse Psmd11 Protein, Myc/DDK-tagged

Cat. No. Psmd11-5190M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length proteasome (prosome, macropain) 26S subunit, non-ATPase, 11 (Psmd11), 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. In the complex, PSMD11 is required for proteasome assembly. Plays a key role in increased proteasome activity in embryonic stem cells (ESCs): its high expression in ESCs promotes enhanced assembly of the 26S proteasome, followed by higher proteasome activity.
Molecular Mass	47.4 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	Psmd11 proteasome (prosome, macropain) 26S subunit, non-ATPase, 11 [Mus musculus (house mouse)]
Official Symbol	Psmd11
Synonyms	PSMD11; proteasome (prosome, macropain) 26S subunit, non-ATPase, 11; 26S proteasome non-ATPase regulatory subunit 11; 26S proteasome regulatory subunit S9; 26S proteasome regulatory subunit RPN6; 26S proteasome regulatory subunit p44.5; S9; P44.5; C78232; 1700089D09Rik; 1810019E17Rik; 2610024G20Rik; 2810055C24Rik
Gene ID	69077
mRNA Refseq	NM_178616
Protein Refseq	NP_848731
UniProt ID	Q8BG32

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