Recombinant Mouse Psmd10 Protein, Myc/DDK-tagged

Cat. No. Psmd10-5189M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length proteasome (prosome, macropain) 26S subunit, non-ATPase, 10 (Psmd10), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a chaperone during the assembly of the 26S proteasome, specifically of the PA700/19S regulatory complex (RC). In the initial step of the base subcomplex assembly is part of an intermediate PSMD10:PSMC4:PSMC5:PAAF1 module which probably assembles with a PSMD5:PSMC2:PSMC1:PSMD2 module. Independently of the proteasome, regulates EGF-induced AKT activation through inhibition of the RHOA/ROCK/PTEN pathway, leading to prolonged AKT activation. Plays an important role in RAS-induced tumorigenesis.
Molecular Mass	25.1 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.
Storage	Store at -80 centigrade after receiving vials.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	Psmd10 proteasome (prosome, macropain) 26S subunit, non-ATPase, 10 [Mus musculus (house mouse)]
Official Symbol	Psmd10
Synonyms	PSMD10; proteasome (prosome, macropain) 26S subunit, non-ATPase, 10; 26S proteasome non-ATPase regulatory subunit 10; gankyrin; proteasome subunit p28; proteosome subunit p28; 26S proteasome regulatory subunit p28; proteosome (prosome, macropain) 26S subunit, non-ATPase, 10; AW554874
Gene ID	53380
mRNA Refseq	NM_016883
Protein Refseq	NP_058579
UniProt ID	Q9Z2X2

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