

Recombinant Mouse Psmg1 Protein, Myc/DDK-tagged

Cat. No. Psmg1-5205M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length proteasome (prosome, macropain) assembly chaperone 1 (Psmg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG2. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization.
Molecular Mass	33.1 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.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Psmg1 proteasome (prosome, macropain) assembly chaperone 1 [Mus musculus (house mouse)]
Official Symbol	Psmg1
Synonyms	PSMG1; proteasome (prosome, macropain) assembly chaperone 1; proteasome assembly chaperone 1; Down syndrome critical region homolog 2; down syndrome critical region protein 2 homolog; Dscr2; AW552102
Gene ID	56088
mRNA Refseq	NM_019537
Protein Refseq	NP_062410
UniProt ID	Q9JK23

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