

## Recombinant Mouse Psme3 Protein, Myc/DDK-tagged

Cat. No. Psme3-5203M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length proteasome (prosome, macropain) activator subunit 3 (PA28 gamma, Ki) (Psme3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Subunit of the 11S REG-gamma (also called PA28-gamma) proteasome regulator, a doughnut-shaped homoheptamer which associates with the proteasome. 11S REG-gamma activates the trypsin-like catalytic subunit of the proteasome but inhibits the chymotrypsin-like and postglutamyl-preferring (PGPH) subunits. Facilitates the MDM2-p53/TP53 interaction which promotes ubiquitination- and MDM2-dependent proteasomal degradation of p53/TP53, limiting its accumulation and resulting in inhibited apoptosis after DNA damage. May also be involved in cell cycle regulation. Mediates CCAR2 and CHEK2-dependent SIRT1 inhibition.
<b>Molecular Mass</b>	29.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**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** Psme3 proteasome (prosome, macropain) activator subunit 3 (PA28 gamma, Ki) [ Mus musculus (house mouse) ]

**Official Symbol** Psme3

**Synonyms** PSME3; proteasome (prosome, macropain) 28 subunit, 3; proteasome activator complex subunit 3; REG-gamma; ki nuclear autoantigen; 11S regulator complex subunit gamma; proteasome activator 28 subunit gamma; activator of multicatalytic protease subunit 3; Ki; pa28g; AA410043; AU020960; REGgamma; PA28gamma

**Gene ID** 19192

**mRNA Refseq** NM\_011192

**Protein Refseq** NP\_035322

**UniProt ID** P61290

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