

## Product datasheet for TP503255

### Psme3 (NM\_011192) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse proteasome (prosome, macropain) activator subunit 3 (PA28 gamma, Ki) (Psme3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203255 protein sequence Red=Cloning site Green=Tags(s)

MASLLKVDQEVKLVDSFRERITSEAEDLVANFFPKLLELDSFLKEPILNIHDLTQIHSDMNLVPPDPI  
LLTNSHDGLDGPTYKRRRLDECEEFQGTKVFMVMPNGMLKSNQQLVDIIEKVKPEIRLLIEKCN TVKMWW  
QLLIPRIEDGNNFGVSIQEETVAELRTVESEAASYLDQISRYITRAKLVSKI AKYPHVEDYRRTVTEID  
EKEYISLRLLIISLRNQYVTLHDMILKNIEKIKRPRSSNAETLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	29.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_035322</a>
Locus ID:	19192
UniProt ID:	<a href="#">P61290</a> , <a href="#">Q4FK54</a>
RefSeq Size:	2620



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**Cytogenetics:** 11 64.67 cM

**RefSeq ORF:** 765

**Synonyms:** AA410043; AU020960; Ki; pa28g; PA28gamma; REGgamma

**Summary:** 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 (By similarity).[UniProtKB/Swiss-Prot Function]