

Product datasheet for **MR203255L4V**

Psme3 (NM_011192) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Psme3 (NM_011192) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Psme3
Synonyms:	AA410043; AU020960; Ki; pa28g; PA28gamma; REGgamma
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011192
ORF Size:	765 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203255).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_011192.3
RefSeq Size:	2620 bp
RefSeq ORF:	765 bp
Locus ID:	19192
UniProt ID:	P61290
Cytogenetics:	11 64.67 cM



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Gene 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]