

Product datasheet for MC209247

Psme3 (NM_011192) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psme3 (NM_011192) Mouse Untagged Clone
Tag: Tag Free
Symbol: Psme3
Synonyms: AA410043; AU020960; Ki; pa28g; PA28gamma; REGgamma
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209247 representing NM_011192
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTCGTTGCTGAAGGTGGATCAGGAAGTGAAGCTCAAGTTGATTCTTTCAGAGAGCGGATCACAA
 GTGAGGCAGAAGACTTGGTGGCAAATTTTTCCCAAAGAAGTTACTAGAAGTTGATGTTTTTTGAAGGA
 ACCAATTCTAAATATCCATGACCTAACTCAGATCCACTCAGACATGAACCTCCCAGTCCCTGACCCATT
 CTCCTACCAATAGCCACGATGGACTGGATGGTCCCACTACAAGAAGCGCAGGTTGGATGAATGTGAAG
 AGGCCTTTCAAGGAACCAAGGTGTTGTGATGCCCAATGGGATGTTGAAAAGCAACCAGCAGCTTGTGGA
 CATTATTGAGAAAAGTAAAACCCGAGATTCGGCTGCTGATCGAGAAATGTAACACGGTCAAAATGTGGGT
 CAGCTGTTGATCCCAGAATAGAAGATGGGAACAACCTTCGGGTATCAATTCAGGAGGAAACAGTTGCTG
 AACTAAGAAGTGTGGAGAGTGAAGCCGCATCTTACCTGGACCAGATTTCTAGATATTATATTACAAGAGC
 CAAATTGGTTTCTAAAAAGCTAAATATCCCCATGTGGAGGACTATCGCCGCACTGTCACAGAGATTGAT
 GAGAAAAGTACATCAGCCTCCGGCTCATCATCTCAGAGCTGAGGAATCAGTATGTCACCTCTCCATGACA
 TGATCTGAAAAACATTGAGAAGATCAAACGGCCCCGGAGCAGCAATGCAGAGACTGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_011192
Insert Size: 765 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_011192.3 , NP_035322.1
RefSeq Size:	2620 bp
RefSeq ORF:	765 bp
Locus ID:	19192
UniProt ID:	P61290
Cytogenetics:	11 64.67 cM
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]