

Product datasheet for MR203159

Psmid9 (NM_026000) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmid9 (NM_026000) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psmid9
Synonyms:	1500011J20Rik; 2610202L11Rik; Bridge-1; P27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203159 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGTGAAGACGTTCCGCACCGGGCAGAGTCCTCCGAGGCCGTGCGGCCGCGGTGAGCGACATCC
AGGATCTGATGCGACGCAAGGAGGAGATCGAGGCCGAGATCAAGGCTAATTACGACGTCCTGGAGAGCCA
AAAAGGAATTGGCATGAACGAACCGCTGGTGGACTGTGAGGGCTATCCCCGGCGGATGTGGACTTGTAC
CAGGTCCGAACAGCAAGGCACAACATCATCTGTCTCCAGAATGATCACAAGGCACTGATGAAGCAAGTGG
AGGAGGCCCTGCACCAGCTGCACGCTCGGGACAAAGAGAAGCAGGCTCGGGACATGGCTGAAGCCCAGAG
AGAGGCCATGAACCGCAGGCTGGCCTCCAACAGCCCCGTCTGCCCCAGGCCTTTGCCAGAGTGAACAGT
ATCAGCCCCGGTTCCCCAGCCAGTATTGCGGGCCTGCAAGTGGATGACGAAATTGTGGAGTTCGGCTCCG
TGAACACCCAAAACCTCCAGTCAGTGCAGAACGTGGGCACTGTGGTGCAGCATAGCGAGGGGAAGCCCCT
GAATGTGACGGTATCCGCAGAGGAGAGAAGCACCAGCTCAGACTGATCCAACCCGCTGGGCAGGAAAA
GGACTGCTGGGCTGCAACATTATCCTCTCCAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203159 protein sequence
 Red=Cloning site Green=Tags(s)

MSGEDVPHRAESSEARAAAVSDIQDLMRRKEEIEAEIKANYDVLSEKQKIGMNEPLVDCEGYPRADVLDLY
 QVRTARHNIICLQNDHKALMKQVEEALHQLHARDKEKQARDMAEAREEAMNRRLASNSPVLPOAFARVNS
 ISPGSPASIALGLQVDDEIVEFGSVNTQNFQSVQNVGTVVQHSEGKPLNVTVIRRGEKHQLRLIPTRWAGK
 GLLGCNIIPLQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026000

ORF Size: 669 bp

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.

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:

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_026000.2](#), [NP_080276.2](#)

RefSeq Size: 2610 bp

RefSeq ORF: 669 bp

Locus ID: 67151

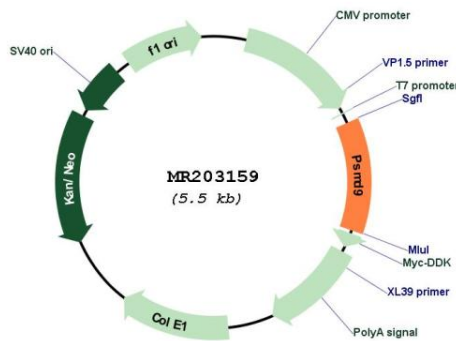
UniProt ID: [Q9CR00](#)

Cytogenetics: 5 F

MW: 24.7 kDa

Gene Summary: Acts as a chaperone during the assembly of the 26S proteasome, specifically of the base subcomplex of the PA700/19S regulatory complex (RC). During the base subcomplex assembly is part of an intermediate PSMD9:PSMC6:PSMC3 module, also known as modulator trimer complex; PSMD9 is released during the further base assembly process (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203159