

Product datasheet for RR210113

Psme2 (NM_017257) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psme2 (NM_017257) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psme2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210113 representing NM_017257 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCCAAGCCTTGTGGGGTTTCGCTTGAGTGGAGAAGCCCGTAAACAGGTGGATGCCTTCAGACAAAATC
TTTTCCAGGAGGCTGAGGACTTCCTTTGCACTTTCTTGCCACGGAAAATCATATCCCTGAGTCAGCTCTT
GCAAGAGGATCCCTCAATGTGGCTGACCTCCTCCCTCCGGGCTCCTCTGGACATCCCTATCCCAGAT
CCCCACCAAGGATGATGAGATGGAAACCGAGCAGGAGAAGAAAGAAGTCCCTAAGTGTGGCTTCTCC
CTGGGAATGAGAAGCTTCTGGCCCTGCTTGCTTGGTTAAGCCAGAAGTCTGGACTCTCAAAGAGAAGTG
CATTCTGGTAATCACATGGATCCAGCACCTGATCCCAAGATTGAGGACGGAAATGATTTTGGGGTGGCA
ATTCAGGAGAAGGTGCTGGAGAGAGTGAATGCTGTCAAGACAAAGTGGAAAGCCTTCCAGACAGCCATCT
CCAAGTATTTCTCAGAGCGTGGGATGCTGTAGCCAAGGCCTCCAAGGACACCCATGTAATGGATTACCG
GGCCTTGGTGCACGAGCGAGATGAAGCAGCCTATGGGGCGCTTAGGGCCATGGTGTGGACCTGAGAGCC
TTCTATGCTGAGCTTCATCACATCATCAGCAGCAACCTAGAGAAAATTGTCAACCCAAAGGGTGAAGAAA
AGCCATCTATGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR210113 representing NM_017257 Red=Cloning site Green=Tags(s)
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MAKPCGVRLSGEARKQVDAFRQNLFQEAEDFLCTFLPRKIIISLSQLLQEDSLNVADLSSLRAPLDIPIPD
PPPKDDEMETEQEKKEVPKCGFLPGNEKLLALLALVKPEVWTLKEKCILVITWIQHLIPKIEDGNDFGVA
IQEKVLERVNAVTKVEAFQTAISKYF SERGDAVAKASKDTHVMDYRALVHERDEAAYGALRAMVLDLRA
FYAELHHIISSNLEKIVNPKGEEKPSMY

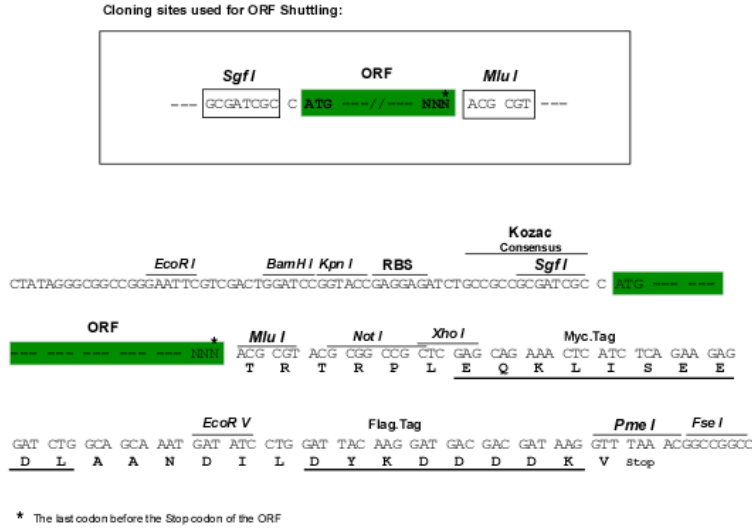
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV



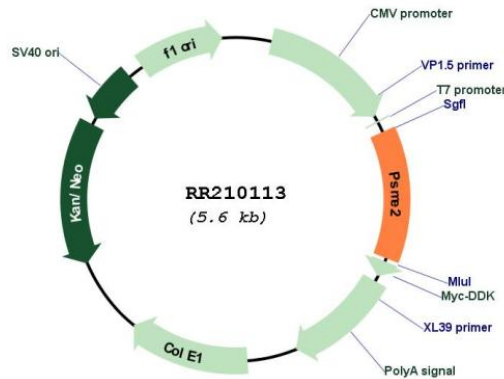
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017257

ORF Size: 714 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:	<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:	<u>NM_017257.2</u> , <u>NP_058953.1</u>
RefSeq Size:	1366 bp
RefSeq ORF:	717 bp
Locus ID:	29614
UniProt ID:	<u>Q63798</u>
Cytogenetics:	15p13
MW:	26.9 kDa
Gene Summary:	may play a role in proteasome activation [RGD, Feb 2006]