

## Product datasheet for **RR203984**

### Psme1 (NM\_017264) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Psme1 (NM_017264) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psme1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203984 representing NM_017264 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTACACTGAGGGTCCATCCTGAAGCCCAAGCCAAGGTGGATGTGTTTCGTGAGGACCTGTGTAGTA  
AGACAGAGAACCTGCTTGGGAGCTATTTTCCCAAGAAGATCTCAGAGTTGGATGCCTTCTTAAAGGAGCC  
AGCTCTCAACGAAGCCAACCTGAGCAATCTGAAGGCTCCATTGGACATCCAGTCCCTGATCCCGTCAAG  
GAGAAAGAGAAGGAGGAGCGGAAGAAGCAACAGGAGAAGGAAGAGAAGGACGAAAAGAAGAAAGGGGACG  
AAGACGACAAAGGTCCTCCCTGTGGTCCAGTGAAGTGAATGAGAAGATTGTGGTCTCCTGCAACGCCCT  
AAAGCCCGAGATCAAGGATGTCATTGAGCAACTCAACCTGGTTACTACCTGGTTGCAGCTACAGATACCT  
CGGATAGAGGATGGGAATAATTTTGGCGTGGCTGTCCAGGAAAAGGTGTTTGAGCTGATGACCAGCCTTC  
ATACCAAGCTGGAAGGCTTCAAACGCAGATCTCTAAGTACTTCTCCGAGAGGGGTGATGCCGTGGCCAA  
AGCAGCCAAGCAGCCTCATGTGGTGATTATCGGCAGCTGGTGCATGAGCTGGACGAGGCCGAATACCAG  
GAGATCCGGCTGATGGTCATGGAGATCCGTAACGCTTATGCTGTGTTATATGACATCATCCTGAAGAACT  
TTGAGAAGCTCAAGAAGCCCCGTGGAGAGACAAAGGGGATGATCTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR203984 representing NM_017264 Red=Cloning site Green=Tags(s)
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MATLRVHPEAQAKVDFVREDLCSKTENLLGSYFPPKISELDAFLKEPALNEANLSNLKAPLDIPVPDPVK  
EKEKEERKKQKEEKEKDEKKGDEDDKPPCGPVNCNEKIVVLLQRLKPEIKDVIIEQLNLVTTWLQLQIP  
RIEDGNNFGVAVQEKVFEMLTSLHTKLEGFQTQISKYFSEKRGDAVAKAAKQPHVGDYRQLVHELDEAEYQ  
EIRLMVMEIRNAYAVLYDIILKNFEKLLKPRGETKGMIIY

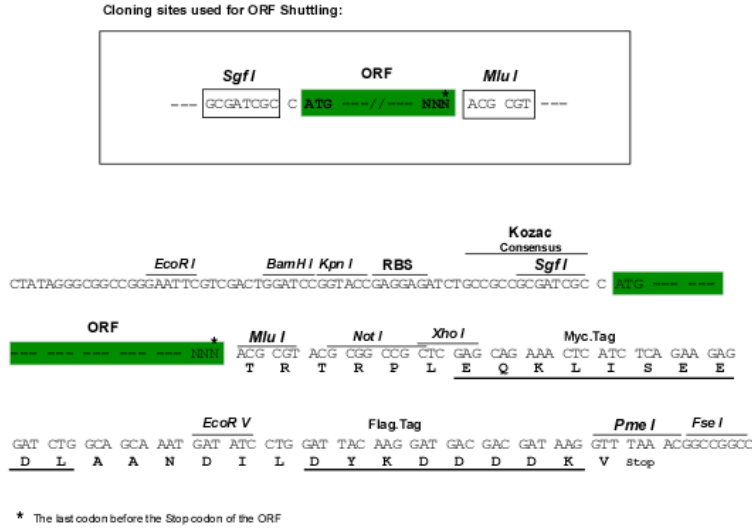
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV



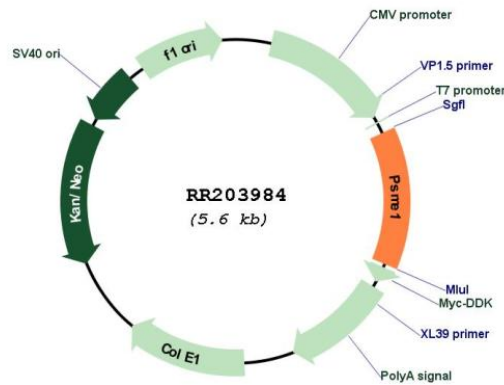
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_017264

ORF Size: 747 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_017264.3</a></u> , <u><a href="#">NP_058960.2</a></u>
<b>RefSeq Size:</b>	1030 bp
<b>RefSeq ORF:</b>	750 bp
<b>Locus ID:</b>	29630
<b>Cytogenetics:</b>	15p13
<b>MW:</b>	28.6 kDa
<b>Gene Summary:</b>	may play a role in proteasome activation [RGD, Feb 2006]