

Product datasheet for **RR209747**

Psma5 (NM_017282) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psma5 (NM_017282) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psma5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209747 representing NM_017282 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTCACTCGGTCCGAGTACGACAGGGGTGTAACACTTTTTCTCCTGAAGGAAGATTATTTCAAG
TGAATATGCCATTGAGCCATCAAGCTTGTTCTACGGCCATTGGCATCCAGACATCAGAGGGTGTATG
TCTAGCTGTGGAGAAGAGAATTACCTCGCCACTAATGGAGCCTAGCAGCATTGAGAAAATCGTAGAGATT
GATGCTCATATAGTTGTGCCATGAGTGGGCTAATTGCTGATGCTAAAACTTAATTGATAAAGCCAGAG
TGGAGACACAGAACCCTGGTTACCTATAATGAGACAATGACAGTTGAGAGTGTGACCCAGGCTGTGTC
CAATCTGGCTTTGCAGTTCGGAGAAGAAGATGCAGATCCAGTGCTATGTCTCGTCCCTTTGGAGTAGCA
TTGTTGTTGGAGGAGTTGATGAGAAAGGGCCCAACTGTTTCACATGGACCCATCTGGGACCTTCGTAC
AGTGTGATGCTCGAGCAATTGGTTCTGCGTCAGAGGGTGCCAGAGCTCCTTGACGGAAGTTTACCACAA
GTCTATGACTCTGAAGGAGGCCATCAAGTCTTCACTCATCATCCTCAAGCAAGTCATGGAGGAGAAGCTG
AACGCAACTAACATCGAGCTGGCCACAGTGCAGCCTGGTCAGAATTTCCACATGTTCAAAAGGAAGAAC
TGGAGGAGGTGATCAAGGACATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR209747 representing NM_017282 Red=Cloning site Green=Tags(s)
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MFLTRSEYDRGVNNTFSPEGRLFQVEYAIEAIKLGSTAIGIQTSEGVCLAVEKRITSPLMEPSSIEKIVEI
DAHIGCAMSLIADAKTLIDKARVETQNHWFYNETMTVESVTQAVSNLALQFGEEDADPGAMSRPFGVA
LLFGGVDEKGPQLFHMDPSGTFVQCDARAIGSASEGAQSSLQEVYHKSMTLKEAIKSSLIILKQVMEEKL
NATNIELATVQPGQNFHMFTKEELEEVIKDI

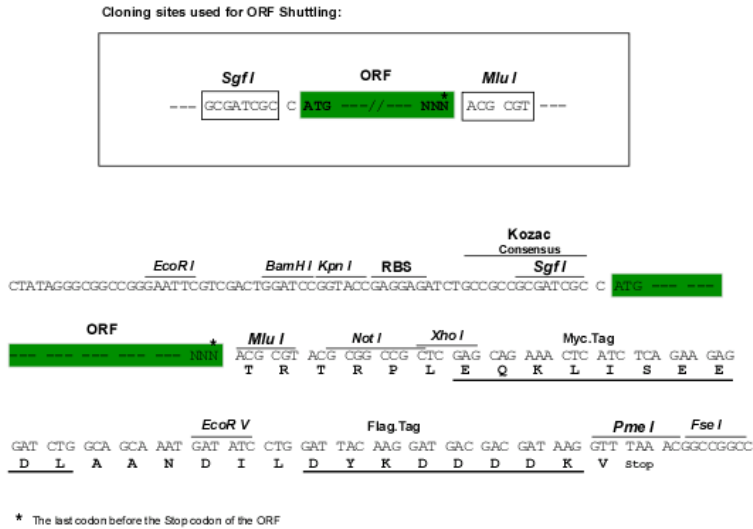
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



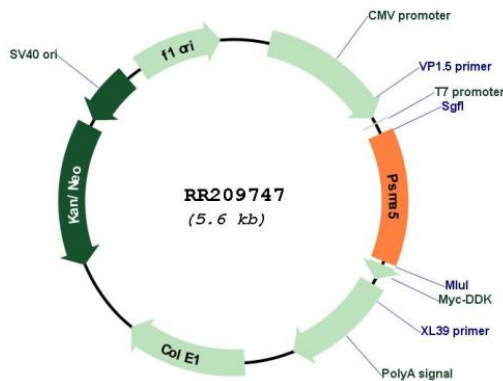
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017282

ORF Size: 723 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_017282.2</u> , <u>NP_058978.2</u>
RefSeq Size:	1017 bp
RefSeq ORF:	726 bp
Locus ID:	29672
Cytogenetics:	2q34
MW:	26.4 kDa
Gene Summary:	subunit of the proteasome complex, which may play a role in protein catabolism [RGD, Feb 2006]