

Product datasheet for **RR206279**

Psma2 (NM_017279) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psma2 (NM_017279) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psma2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206279 representing NM_017279
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAACGCGGTTACAGCTTCTCGCTGACTACATTCAGCCCATCTGGTAACTTGTGCAGATTGAAT
ATGCTTTGGCCGCTGTAGCTGGAGGGGCCCTTCAGTGGGAATTAAGCTGCAAATGGCGTGGTATTAGC
CACTGAGAAAAGCAGAAATCCATCCTGTATGATGAGAGGAGTGTACACAAAGTGAGCCATAACCAAG
CACATCGTTTTGGTGTACAGCGGCATGGGTCCAGATTACAGAGTCTTGTACACAGAGCTCGGAACTTG
CTCAGCAGTACTACCTTGTTTACCAAGAACCATTCCACAGCCCAACTGGTACAGCGAGTAGCGTCTGT
GATGCAAGAGTATACCCAGTCAGGTGGTGTTCGTCCATTTGGTGTCTTTACTTATTTGTGGTGGAAAT
GAGGGACGACCATATTTATTTAGTCAGATCCATCTGGAGCTTACTTTGCCTGGAAGGCCACAGCAATGG
GAAAGAACTACGTGAACGGGAAACTTTCCTTGAGAAAAGATATAATGAAGACTTAGAACTGGAAGATGC
GATTCACACAGCCATCTTAACCCTAAGGAAAGCTTTGAAGGGCAGATGACAGAAGATAACATAGAAGTT
GGGATCTGCAATGAAGCTGGCTTTAGGAGGCTCACCCCAACTGAAGTGAGGGATTACTTGGCTGCTATAG
CG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206279 representing NM_017279
Red=Cloning site Green=Tags(s)

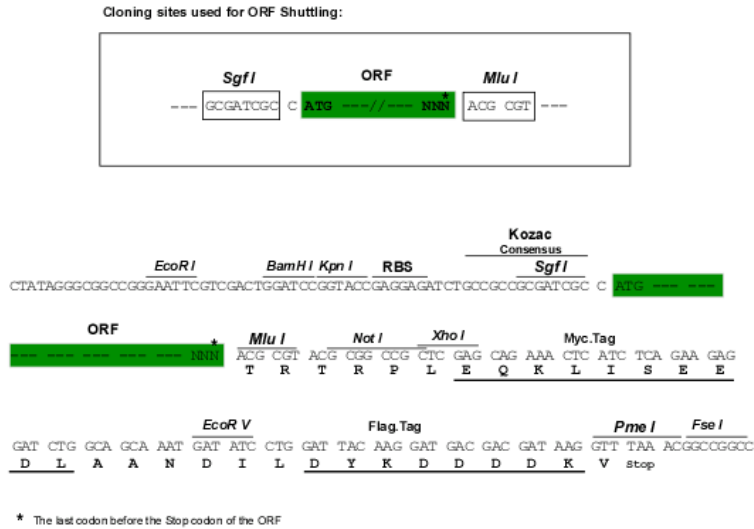
MAERGYFSLTTFSPSGKLVQIEYALAAVAGGAPSVGIKAANGVVLATEKKQKSILYDERSVHKVEPITK
HIGLVYSGMPDYRVLVHRARKLAQQYYLVYQEP IPTAQLVQRVASVMQEYTSQGGVRFPGVSLICGWN
EGRPYLFQSDPSGAYFAWKATAMGKNYVNGKTFLEKRYNEDLEDAIHTAILTLKESFEGQMTEDNIEV
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

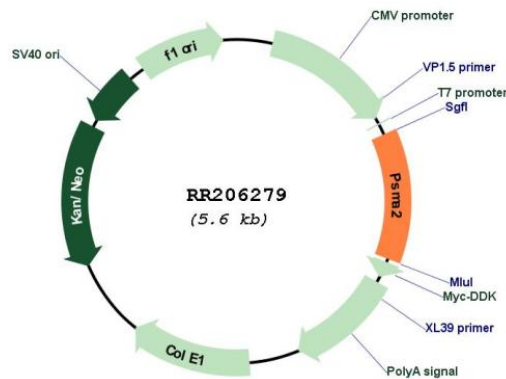


Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017279

ORF Size: 702 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_017279.1</u> , <u>NP_058975.1</u>
RefSeq Size:	852 bp
RefSeq ORF:	705 bp
Locus ID:	29669
UniProt ID:	<u>P17220</u>
Cytogenetics:	17q12.1
MW:	25.9 kDa
Gene Summary:	component of the proteasome multicatalytic proteinase complex [RGD, Feb 2006]