

Product datasheet for **RR210252**

Psma4 (NM_017281) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psma4 (NM_017281) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psma4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210252 representing NM_017281
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTCGAAGATATGACTCCAGGACCACAATATTTTCTCCAGAAGTTCGCTTATACCAAGTGGAAATATG
CCATGGAAGCCATTGGACACGCAGGCACTTGTGGGAATTTAGCCAATGATGGCGTTCTGCTTGCAGC
AGAGAGGCGCAACATCCACAAGTTCTTGATGAAGTCTTTTTTCTGAGAAAATTTATAAACTTAACGAG
GACATGGCTTGCAGTGTGGCAGGCATAACATCTGATGCCAACGTTCTGACTAATGAAGTCAAGGCTCATTG
CTCAAAGTACTTATTACAGTATCAGGAGCCAATTCCTGTGAGCAGTTGGTTACAGCACTGTGTGATAT
CAAACAGGCGTACACACAGTTTGGAGGCAAACGTCCTTTGGTGTCTTTGCTGTATATTGGCTGGGAT
AAGCACTATGGCTTTAGCTCTATCAGAGTGACCCAAGTGGAACTACGGGGGATGGAAAGCCACATGCA
TTGAAACAACAGTGCTGCAGCGGTATCAATGCTGAAACAAGACTACAAAGAAGGAGAAATGACTCTGAA
GTCAGCGCTGGCTCTGGCTGTCAAGGTGCTAAACAAGACAATGGATGTTAGTAACTGTCAGCTGAAAA
GTGAAATCGCCACACTAAACAGAGAGAATGGAAAGACCGTGATCAGAGTCTCAAGCAAAGGAAGTGG
AACAGTTGATCAAAAACATGAAGAGGAAGAAGCGAAAGCTGAACGGGAGAAGAAAGAAAAGAACAGAG
AGAAAAGGATAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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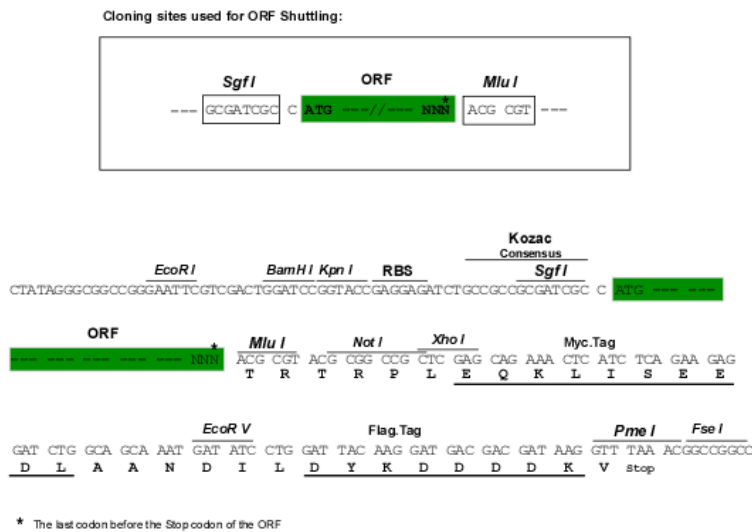
Protein Sequence: >RR210252 representing NM_017281
 Red=Cloning site Green=Tags(s)

MSRRYDSRTTIFSPGRLYQVEYAMEAIGHAGTCLGILANDGVLLAAERRNIHKLLDEVFFSEKIYKLNEDMACSVAGITSDANVLNELLRLIAQRYLLQYQEPICEQLVTALCDIKQAYTQFGGKRPFGVSLLYIGWDKHYGFQLYQSDPSGNYGGWKATCIGNNSAAAVSMLKQDYKEGEMTLKSALALAVKVLNKTMDVSKLSAEKVEIATL TRENGKTVIRVLKQKEVEQLIKKHHEEEEAKAEREKKEKEQREKDK

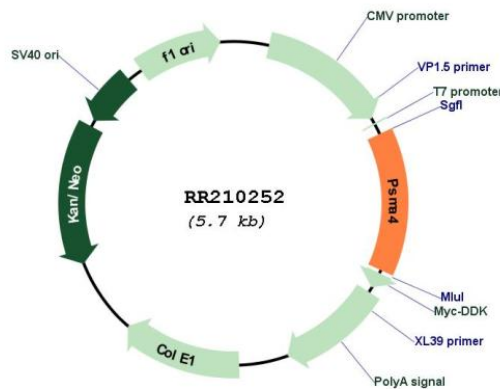
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017281

ORF Size: 783 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:	NM_017281.1 , NP_058977.1
RefSeq Size:	1121 bp
RefSeq ORF:	786 bp
Locus ID:	29671
UniProt ID:	P21670
Cytogenetics:	8q24
MW:	29.5 kDa
Gene Summary:	component of the proteasome multicatalytic proteinase complex [RGD, Feb 2006]