

Product datasheet for **RR210701**

Psmb9 (NM_012708) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmb9 (NM_012708) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psmb9
Synonyms: Lmp2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210701 representing NM_012708
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCAAGCCGGAGCACCTACCGCCGGCTCTTCCGGACGGGAGAAGTCCACACCGGGACAACCATCA
TGGCTGTGGAATTTGACGGGGTGTCTGGTGGGCTCTGATCCCAGTGTGACGGGAGCAGCCGTAGT
GAACCGCGTGTGGACAAGCTCTCCCTCTGCACCAGCGCATCTACTGTGCCCTCTCGGGTCCGCTGCT
GATGCCCAAGCCATAGCGGACATGGCCGCTACCAGCTGGAGCTGCACGGTTGGAAGTGGAGGAGCCGC
CCCTTGTCTGGCTGCTGCAAACATAGTGAAGAATCTCCTACAAGTACCGCGAGGACTTGTAGCGCA
TCTCATGGTAGCTGGTTGGGACCAACGTGAGGGGGCCAGGTGTATGGAACCATGGGAGGGATGCTAATT
CGACAGCCCTTTGCAATCGGTGGTTCCGGAAGCACCTATATTTACGGTTATGTGGACGCAGCTTATAAAC
CAGGCATGACCCCGAGGAGTGCCGGGTTTACCACAGACGCCATCACTCTGGCCATGAACCGAGATGG
CTCCAGTGGGGTGTCTACCTGGTACCATTACAGCTGATGGTGTGGACCATCGCGTCATCTGGGA
GACGAGCTGCCAAAATTCTACGATGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210701 representing NM_012708
 Red=Cloning site Green=Tags(s)

MLQAGAPTAGSFRTGEVHTGTTIMAVEFDGGVVVGSRSVAGAAVNVRFDKLSPLHQRIYCALSGSAA
 DAQAIADMAAYQLELHGLELEEPPLVLAANIVKNI SYKYREDLLAHLVAGWDQREGGQVYGTMGGLI
 RQPPAIGSGSTYIYGVDAAAYKPGMTPEECRRFTTDAITLAMNRDGS SGGVIYLVITITADGVDHRVILG
 DELPKFYDE

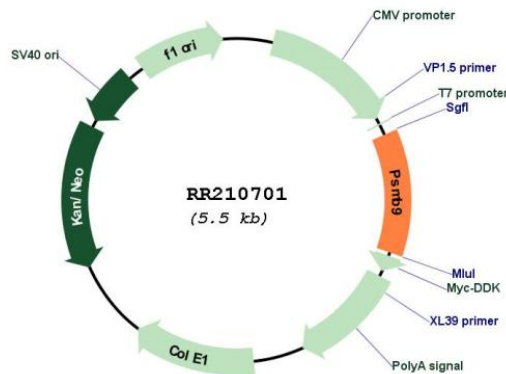
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012708

ORF Size: 657 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_012708.2 , NP_036840.2
RefSeq Size:	913 bp
RefSeq ORF:	660 bp
Locus ID:	24967
UniProt ID:	P28077
Cytogenetics:	20p12
MW:	23.3 kDa
Gene Summary:	subunit of the proteasome complex, which may play a role in protein catabolism [RGD, Feb 2006]