

Product datasheet for **RR210675**

Psmb8 (NM_080767) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmb8 (NM_080767) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psmb8
Synonyms: Lmp7; Ring10
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210675 representing NM_080767
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGTTACTGGATCTGTGCGGCGCTCCTCGGGGCGAGCGGCCCGAGTGGGCTGCCGTGGATGCAGGAA
GCGGGCTTCGCTCGGACCCGGGACACTACAGTTTCTCCGTGCAAGCTCCGGAGCTCGCGCTTCCCCGGGG
AATGCAGCCCACTGAATTCCTAAGTCCCTTTGGTGATGACCAGGAAAGGAAGTTTCAGATTGAAATGGCG
CACGGCACAACCACGCTGGCCTTCAAGTCCAGCATGGAGTCATCGTGGCGGTGGACTCCAGGGCCTCCG
CAGGAAGTTACATTGCTACCATAAGGGTGAACAAGGTGATCGAGATTAACCCCTTACCTGCTTGAACCAT
GTCTGGTTGTGCAGCCGACTGTCAGTACTGGGAGAGGCTGTTGGCCAAGGAATGCAGGCTATACTATCTG
CGGAATGGGGAACGCATCTCCGTGTCTGCAGCCTCCAAGCTACTTTCCAACATGATGCTGCAGTACCGGG
GTATGGGCTCTCCATGGGCAGCATGATCTGCGGCTGGGACAAGAAGGGACCGGGACTTTATTACGTAGA
TGACAAATGGGACTCGGCTCTCGGGACAGATGTTCTCCACAGGCAGCGGGAACACCTATGCCTACGGGGTG
ATGGACAGTGGGTACCGCAGGATCTCAGTCTGAGGAGGCTACGACCTTGCCGAAGAGCTATTGTTT
ATGCTACCCACAGAGACAGCTATTCTGGAGGATTGTCAACATGTACCACATGAAGAAAGACGGTTGGGT
GAAAGTGGAGAGCACTGACGTCAGTGACCTGCTGCACAAGTACCGAGAGGCCACTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210675 representing NM_080767
Red=Cloning site Green=Tags(s)

MALLDLCGAPRGQRPEWAAVDAGSGLRSDPGHYSFSVQAPELALPRGMQPTFLRSFGDDQERKVIEMA
 HGTTTTLAFKFQHGVIIVAVDSRASAGSYIATIRVNKIVIEINPYLLGTMSGCAADCQYWERLLAKECRLYYL
 RNGERISVSAASKLLSNMMLQYRGMGLSMGSMICGWDDKKGPLYYVDDNGTRL SGQMFSTGSGNTYAYGV
 MDSGYRQDL SPEEAYDLARRAIVYATHRDSYSGGVVNMVHMKKGWVKVESTDVSDLLHKYREATL

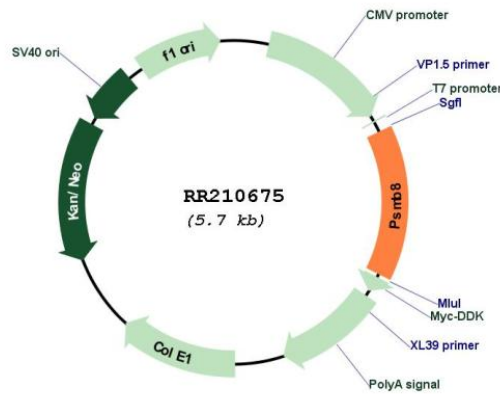
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_080767
ORF Size: 828 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_080767.2 , NP_542945.2
RefSeq Size:	1086 bp
RefSeq ORF:	831 bp
Locus ID:	24968
UniProt ID:	P28064
Cytogenetics:	20p12
MW:	30.6 kDa
Gene Summary:	may play a role in antigen processing [RGD, Feb 2006]