

Product datasheet for **RR213808**

Psmb4 (NM_031629) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmb4 (NM_031629) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psmb4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213808 representing NM_031629
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGCGTTTTGGGAGTCACGGACTGGCCACTGGGCCGGGGTCCGGCTCCGGGGCAGTTTTACCGCG
TCCCGTCCACCCAGCTGCCTCATGGATCCGATGTCTGCGCCCTGCGAGGGTCCCATCACTCGGACCCA
GAACCCATGGTGACTGGGACATCCGTAAGGGTGAAGTTCGACTGCGGAGTGGTATTGCTGCAGAC
ATGCTGGGCTCCTACGGCTCCCTGGCTCGTTCCGCAATATCTCTCGTATTATGCGAGTCAACGACAGCA
CTATGCTAGGTGCTTCAGGAGACTATGCTGATTTCCAGTATTTGAAGCAAGTTCTCGGCCAGATGGTGT
TGATGAGGAGCTGTTGGGAGATGGACATAGCTATAGTCCTAGAGCTATCCATTATGTTGACAAGGGCC
ATGTACAGTCGCCGCTCCAAGATGAACCCTCTGTGGAACACCATGGTCATTGGAGGCTATGCTGGTGGAG
AAAGCTTCTTGGTTATGTGGACATGCTTGGTGTAGCTTATGAAGCCCTTCACTAGCCACTGGTTATGG
TGCATACTGGCTCAGCCTCTGCTTCGAGAAGTCTAGAGAAGCAACCGGTGCTGAGTCAGACAGAGGCC
CGAGAGCTTGTGGAGCGCTGCATGCGAGTGTACTACCGAGACGCTCGTTCGTATAACCGTTTTCAAG
TTGCTACTGTAAGTAAAAAGGTGTGGAGATAGAAGGACCACTGTGAGCACAGACCAACTGGGACATTGC
TCACATGATCAGTGGCTTTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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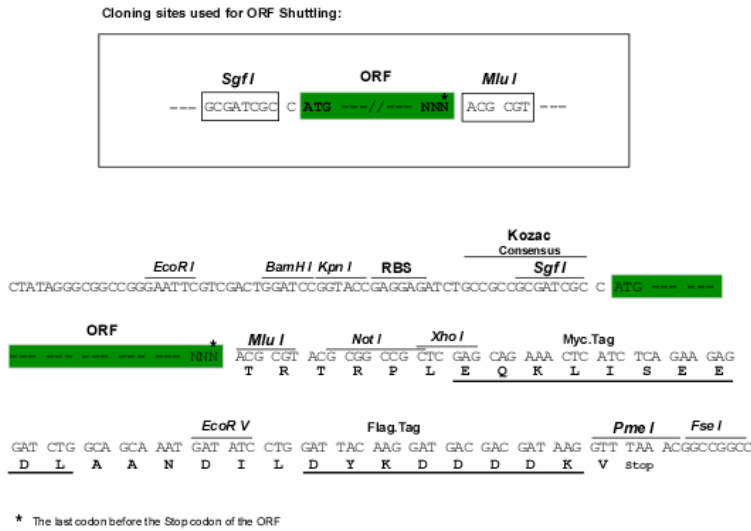
Protein Sequence: >RR213808 representing NM_031629
Red=Cloning site Green=Tags(s)

MEAFWESRTGHWAGGPAPGQFYRVPSTPSCMLDPM SAPCEGPITRTQNPMVTGTSVLGVKFD CGVVI AAD
 MLGSYGLARFRNISRIMRVNDSTMLGASGDYADFQYLKQVLGQMVIDEELLGDGHSYS PRAIHSWLTRA
 MYSRRSKMNPLWNTMVIIGGYAGGESFLGYVDMLGVAYEAPSLATGYGAYLAQPLLREVLEKQPVLSQTEA
 RELVERCMRVLYYRDARSYNRFQVATVTEKGVIEGPLSAQTNWDIAHMSGFE

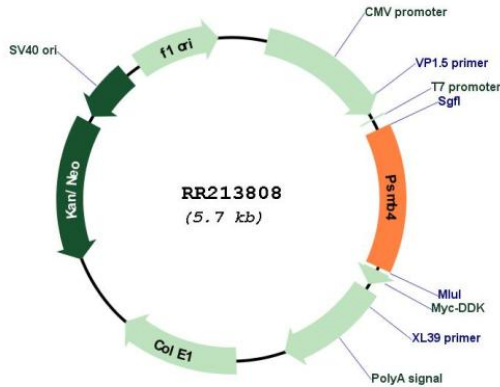
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031629

ORF Size: 792 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_031629.2 , NP_113817.2
RefSeq Size:	943 bp
RefSeq ORF:	795 bp
Locus ID:	58854
Cytogenetics:	2q34
MW:	29.2 kDa
Gene Summary:	beta-type subgroup component of the proteasome multicatalytic proteinase complex [RGD, Feb 2006]