

## Product datasheet for RN213808

### Psmb4 (NM\_031629) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Psmb4 (NM_031629) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Psmb4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213808 representing NM_031629 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAAGCGTTTTGGGAGTCACGGACTGGCCACTGGGCCGGGGTCCGGCTCCGGGGCAGTTTTACCGCG  
TCCCGTCCACCCAGCTGCCTCATGGATCCGATGTCTGCGCCCTGCGAGGGTCCCATCACTCGGACCCA  
GAACCCCATGGTGACTGGGACATCCGTAAGTTGAGTTCGACTGCGGAGTGGTATTGCTGCAGAC  
ATGCTGGGCTCCTACGGCTCCCTGGCTCGTTCCGCAATATCTCTCGTATTATGCGAGTCAACGACAGCA  
CTATGCTAGGTGCTTCAGGAGACTATGCTGATTTCCAGTATTTGAAGCAAGTTCTCGGCCAGATGGTAT  
TGATGAGGAGCTGTTGGGAGATGGACATAGCTATAGTCCCTAGAGCTATCCATTGTTGACAAGGGCC  
ATGTACAGTCGCCGCTCCAAGATGAACCCTCTGTGGAACACCATGGTCATTGGAGGCTATGCTGGTGGAG  
AAAGCTTCTGGTTATGTGGACATGCTTGGTGTAGCTTATGAAGCCCTTCACTAGCCACTGGTTATGG  
TGCATACTGGCTCAGCCTCTGCTTCGAGAAGTTCTAGAGAAGCAACCGGTGCTGAGTCAGACAGAGGCC  
CGAGAGCTTGTGGAGCGCTGCATGCGAGTGTACTACCGAGACGCTCGTTCGTATAACCGGTTTCAAG  
TTGCTACTGTAAGTAAAAAGGTGTGGAGATAGAAGGACCACTGTGAGCACAGACCAACTGGGACATTGC  
TCACATGATCAGTGGCTTTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031629
Insert Size:	795 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_031629.2</a></u> , <u><a href="#">NP_113817.2</a></u>
<b>RefSeq Size:</b>	943 bp
<b>RefSeq ORF:</b>	795 bp
<b>Locus ID:</b>	58854
<b>Cytogenetics:</b>	2q34
<b>Gene Summary:</b>	beta-type subgroup component of the proteasome multicatalytic proteinase complex [RGD, Feb 2006]