

Product datasheet for RN213411

Psmb10 (NM_001025637) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmb10 (NM_001025637) Rat Untagged Clone
Tag: Tag Free
Symbol: Psmb10
Synonyms: MGC112890
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213411 representing NM_001025637
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGAAGCAGGCAGTGAACACAGAGGAGGCTTCTCTTTCGAGAACTGCCAGAGGAATGCGTCCTTGG
AACACGTCCTTCCGGGACTTCGGGTCCCTCTTGCACGCAAGACCGGGACTACCATCGCCGGACTTGTGTT
CCGTGATGGAGTCATCCTGGGTGCGGACACGCGGGCTACTAACGATTCGGTTGTGGCGGATAAAAGCTGC
GAGAAGATCCACTTTATCGCCCCAAAATCTACTGCTGTGGGGCTGGAGTAGCTGCGGACACTGAGATGA
CCACGCGGATGGCAGCTTCCAAAATGGAACACATGCTCTGTCCACCGCCGTGAACCTCGAGTGGCCAC
GGTCACCCGATCTTTCGCTCAGACGCTCTTCCGGTACCAAGGCCACGTGGGAGCATCATTGATCGTGGGC
GGGGTTGATTTGAACGGACCGCAGCTCTACAGCGTGCACCCACACGGTTCCTACAGCCGTCTGCCTTTTA
CTGCCCTTGGCTCTGGTCAGGATGCAGCCGTGGCACTGTTGGAGGACCGTTCCAGCCAAACATGACGCT
GGAGGCCGCGCAAGAGCTGTTGGTGAAGCCATCACAGCAGGGATCCTGGGTGACCTAGGCTCTGGAGGC
AGTGTGGATGCCTGTGTGATCACTGCAGGAGGCCAAACTGCAGAGAGCTTTGAGCTCACCCATAGAGC
CTGTGCAGAGAGCTGGCCAGTACCGCTTGTCTCCTGGAACCACACCTGTCCAGACCCAGGAAGTGAGAGC
TCTGACCCTGAACTTCTGGAGGAACTGTGCAGGCTATGGAGGTGGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001025637
Insert Size: 822 bp



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OTI Disclaimer:	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).
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:	<u>NM_001025637.1</u> , <u>NP_001020808.1</u>
RefSeq Size:	1021 bp
RefSeq ORF:	822 bp
Locus ID:	291983
UniProt ID:	<u>Q4KM35</u>
Cytogenetics:	19q12
Gene Summary:	The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides (By similarity). [UniProtKB/Swiss-Prot Function]