

Product datasheet for MR203694

Psmb8 (NM_010724) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmb8 (NM_010724) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psmb8
Synonyms:	Lmp-7; Lmp7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203694 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTACTGGATCTGTGCGGTGCCGCTCGGGGCGAGCGGCCGAGTGGGCTGCCCTGGATGCGGGAA
GCGGGGTCGCTCGGACCCGGGACACTACAGTTTCTCCGCGCAAGCTCCGGAGCTCGCACTTCCCCGGG
AATGCAGCCACCGCATTCTGAGGTCCTTGGTGGTACCAGGAAAGGAATGTTCAAATTGAGATGGCC
CACGGCACAACCACACTCGCCTCAAGTCCAGCATGGCGTCATCGTGGCTGTGGACTCCAGGGCCACTG
CAGGGAGTTACATTAGCTCCTTAAGGATGAACAAAGTGATCGAGATTAACCTTACCTGCTTGGCACCAT
GTCTGGTTGTGCAGCCGACTGCCAGTACTGGGAGAGGCTGTTGGCCAAGGAGTGCAGGTTGATTATCTT
CGGAATGGGGAACGCATCTCCGTGTCTGCAGCATCCAAGCTGCTTCCAACATGATGCTGCAGTACCGGG
GGATGGGCTCTCCATGGGCAGCATGATCTGTGGCTGGGACAAGAAGGGACCAGGACTTTACTACGTAGA
TGACAAATGGGACTCGGCTCTCGGGACAGATGTTTTCCACTGGCAGCGGGAACACCTATGCCTACGGGGTG
ATGGACAGTGGTTACCGGACGACCTCAGTCTGAAGAGGCTACGACCTTGCCCGCAGAGCTATTGCTT
ATGCTACCCACAGAGACAACCTATTCTGGAGGAGTCGTCAACATGTACCATATGAAGGAAGACGGTTGGGT
GAAAGTGGAGAGTCCGATGTCACTGACCTGCTGTACAAGTACCGAGAGGCCGCTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

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_010724.1](#), [NM_010724.2](#), [NP_034854.1](#)

RefSeq Size: 1223 bp

RefSeq ORF: 831 bp

Locus ID: 16913

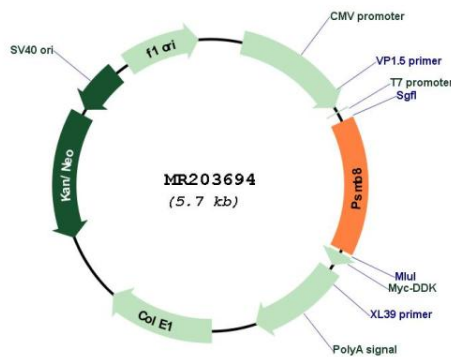
UniProt ID: [P28063](#)

Cytogenetics: 17 17.98 cM

MW: 30.4 kDa

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. May participate in the inflammatory response pathway. Required for adipocyte differentiation (PubMed:21881205, PubMed:22341445, PubMed:8066463). May be involved in the generation of spliced peptides resulting from the ligation of two separate proteasomal cleavage products that are not contiguous in the parental protein (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203694