

## Product datasheet for MR203661

### Psmb10 (NM\_013640) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Psmb10 (NM_013640) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psmb10
Synonyms:	Mecl-1; Mecl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203661 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGAAGGAGGCAGTGAACCCAGAGGAGGCTTCTCTTCGAGAACTGCCAGAGGAATGCGTCTTGG  
AACACGTCCTTCCGGGACTTCGGGTTCTCATGCACGCAAGACCGGGACTACCATCGCGGGCTTGTGTT  
CCGAGATGGAGTCATCCTGGGAGCGGACACGCGGGCCACTAACGATTCGGTTGTGGCGGACAAAAGCTGC  
GAGAAGATCCACTTCATCGCCCCAAAACTACTGCTGTGGGGCTGGAGTAGCTGCGGACACTGAGATGA  
CTACGCGGATGGCAGCTTCCAAGATGGAACACATGCGCTGTCCACCGGCCGTGAGCCTCGGGTGGCCAC  
GGTCACCCGATCCTGCGCCAGACGCTTTCCGGTACCAAGGCCACGTGGGGGCATCACTGGTCGTGGGC  
GGGTTGATTTGAACGGACCTCAGCTCTACGAGGTGCACCCACATGGTTCCTACAGCCGTCTGCCCTTTA  
CTGCCCTTGGCTCTGGTCAGGGTGCAGCCGTGGCACTGTTGGAAGACCGTTCCAGCCAAACATGACGCT  
GGAGGCTGCGCAAGAGCTGTTGGTGAAGCCATCACAGCAGGGATCCTGAGTGACCTGGGCTCTGGGGGC  
AATGTGGATGCCTGTGTGATCACTGCAGGGGTGCCAAGCTGCAGAGAGCATTGAGCACCCACCAGGC  
CTGTGCAGAGAGCTGGCCGTTACCGATTTGCTCCTGGAACCACACCTGTCCTGACCCGGGAAGTGAGACC  
CCTGACCCTGGAACCTTTGAGGAACTGTGCAGGCCATGGAGGTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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\\_013640.1](#), [NM\\_013640.2](#), [NM\\_013640.3](#), [NP\\_038668.1](#), [NP\\_038668.2](#)

**RefSeq Size:** 1270 bp

**RefSeq ORF:** 822 bp

**Locus ID:** 19171

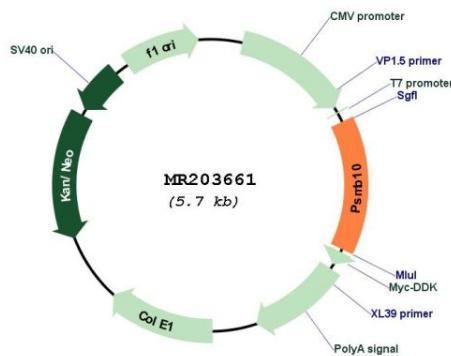
**UniProt ID:** [O35955](#)

**Cytogenetics:** 8 53.06 cM

**MW:** 29.1 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. Plays a role in determining the T-cell repertoire for an antiviral T-cell response.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR203661