

Product datasheet for MR224340

Psmb11 (NM_175204) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmb11 (NM_175204) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psmb11
Synonyms:	5830406J20Rik; beta5t
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224340 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTTCAGGATGTGTGCAAGTGGCAGACTCCCGACACTCCCAGACCATCCATTCACCTGCCTCAGG
CCGGTGGCTGGGCTGTACCCCGGGGCTGTGACCCTCAAACCTTCCTGCAGATCCATGGCCCCAGGCTGGC
TCATGGCACCCTACCCTGGCTTTTCGCTTCGTCACGGTGTATCGCTGCGGCTGATACTCGGTCTCC
TGTGGCAGCTATGTGGCGTGTCCAGCCTCACGGAAGGTCATTCCCTGTGCACCAGCGTCTCCTGGGTACCA
CCTCTGGGACCTCTGCTGACTGTGCCACATGGTACCGGGTGTACGGCGGAGCTGCGGCTTCGGGAAC
GAGGGAAGGCCAGCTGCCAGTGTGGCAGGCACGGCCAAACTCTTGGCAGCTATGATGTCCTGCTACCGC
GGTCTGGATCTGTGTGGCCACTGCCCTCTGTGGCTGGGACCACTCTGGCCCTGCTCTTCTATGTCT
ACAGCGATGGCACTTGTCTGCAGGGAGATATCTTCTCAGTAGGCTCTGGGTCTCCCTACGCCTATGGTGT
GCTTGTATCGTGGCTACCACTATGACATGACCATCCAGGAAGCCTACACCTGGCCCGCTGTGCTGTGGCC
CATGCCACCCACCGTGTGCTTATTCAGGGGGCTCAGTGGACCTTCCACGTTCCGGGAGAGCGGATGGG
AGTATGTATCCCGCAGTGTGCTTGCCTGTATAGGGAGTGCAGAAAGCCCGGAGCTTGGAGCAGGA
GCTGGAGGCAAAAGCTTGTGGAATCCATCTGAGCCTGCCACGCCGAAGGTGCTCGAGAATGTAAGAA
CTCTTTGTGGAGCAAGAGGAGGTGACACCAGAAGACTGCCGATAATAATGAAGACTGAAACAATG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR224340 protein sequence
Red=Cloning site Green=Tags(s)

MALQDVCKWQTPDTPRPSIHL PQAGGWAVPRGCDPQTF LQIHGPR LAHGTTTLAFRFRHGVIAAADTRSS
 CGSYVACPASRKVIPVHQRL LGTTS GTSADCATWYRVLRRELRLRELREGQLPSVAGTAKLLAAMMSCYR
 GLDL CVATALCGWDHSGPALFYVYSDGTCLQGDIF SVGSGSPYAYGVLD RGYHYDMTIQEAYTLARCAVA
 HATHRDAYS GGSVDL FHVRESGWEYVSRSDACVLYRELQKARSLEQELEAKACGIHPEPATPQGARECKE
 LFVEQE E VTPEDCAIIMKTETM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_175204

ORF Size: 909 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:

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_175204.1](#), [NM_175204.2](#), [NM_175204.3](#), [NM_175204.4](#), [NP_780413.1](#)

RefSeq Size: 4247 bp

RefSeq ORF: 909 bp

Locus ID: 73902

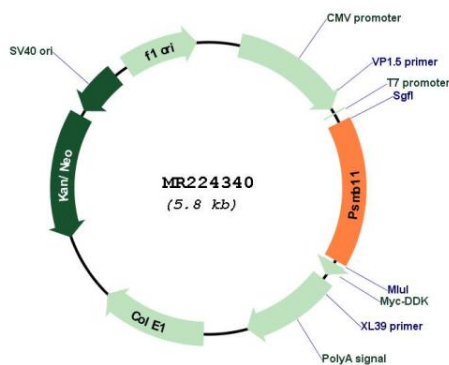
UniProt ID: [Q8BG41](#)

Cytogenetics: 14 C2

MW: 33.2 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. Incorporated instead of PSMB5 or PSMB8, this unit reduces the chymotrypsin-like activity of the proteasome. Plays a pivotal role in development of CD8-positive T-cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224340