

## Product datasheet for **MG224340**

### **Psmb11 (NM\_175204) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Psmb11 (NM\_175204) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Psmb11  
**Synonyms:** 5830406J20Rik; beta5t  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG224340 representing NM\_175204  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTTCAGGATGTGTGCAAGTGGCAGACTCCCGACACTCCCAGACCATCCATTCACCTGCCTCAGG  
CCGGTGGCTGGGCTGTACCCCGGGGCTGTGACCCTCAAACCTTCCTGCAGATCCATGGCCCCAGGCTGGC  
TCATGGCACCCTACCCCTGGCTTTTCGCTTCGTCACGGTGTATCGCTGCGGCTGATACTCGGTCTCC  
TGTGGCAGCTATGTGGCGTGTCCAGCCTCACGGAAGGTCATTCCCTGTGCACCAGCGTCTCCTGGGTACCA  
CCTCTGGGACCTCTGCTGACTGTGCCACATGGTACCGGGTGTACGGCGGAGCTGCGGCTTCGGGAAC  
GAGGGAAGGCCAGCTGCCAGTGTGGCAGGCACGGCCAAACTCTTGGCAGCTATGATGTCCTGCTACCGC  
GGTCTGGATCTGTGTGGCCACTGCCCTCTGTGGCTGGGACACTCTGGCCCTGCTCTTCTATGTCT  
ACAGCGATGGCACTTGTCTGCAGGGAGATATCTTCTCAGTAGGCTCTGGGTCTCCCTACGCCTATGGTGT  
GCTTGTATCGTGGCTACCACTATGACATGACCATCCAGGAAGCCTACACCCTGGCCCGCTGTGCTGTGGCC  
CATGCCACCCACCGTGTGCTTATTCAGGGGGCTCAGTGGACCTTCCACGTTCCGGGAGAGCGGATGGG  
AGTATGTATCCCGCAGTGTGCTTGCCTGTATAGGGAGCTGCAGAAAGCCCGGAGCTTGGAGCAGGA  
GCTGGAGGCAAAAGCTTGTGGAATCCATCCTGAGCCTGCCACGCCGAAGGTGCTCGAGAATGTAAGAA  
CTCTTTGTGGAGCAAGAGGAGGTGACACCAGAAGACTGCGCGATAATAATGAAGACTGAAACAATG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG224340 representing NM\_175204  
 Red=Cloning site Green=Tags(s)

MALQDVCKWQTPDTPRPSIHLPPQAGGWAVPRGCDPQTFLLQIHGPRLAHGTTTLAFRFRHGVIAAADTRSS  
 CGSYVACPASRKVIPVHQRLLGTTSGTSADCATWYRVLRLRELREGQLPSVAGTAKLLAAMMSCYR  
 GLDL CVATALCGWDHSGPALFYVYSDGTCLQGDIF SVGSGSPYAYGVLD RGYHYDMTIQEAYTLARCAVA  
 HATHRDAYSGGSVDL FHVRESGWEYVSRSDACVLYRELQKARSLEQELEAKACGIHPEPATPQGARECKE  
 LFVEQEEVTPEDCAIIMKTETM

TRTRPLE - GFP Tag - V

**Restriction Sites:**

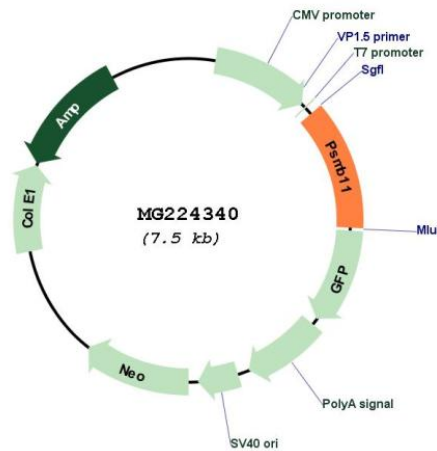
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_175204

**ORF Size:** 906 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_175204.4</a> , <a href="#">NP_780413.1</a>
<b>RefSeq Size:</b>	4247 bp
<b>RefSeq ORF:</b>	909 bp
<b>Locus ID:</b>	73902
<b>UniProt ID:</b>	<a href="#">Q8BG41</a>
<b>Cytogenetics:</b>	14 C2
<b>Gene Summary:</b>	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]