

## Product datasheet for **MR228712**

### **Psme2b (NM\_001281472) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Psme2b (NM_001281472) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psme2b
Synonyms:	PA28; PA28b-p; PA28b2; Psme; Psme2; Psme2-; Psme2-like; Psme2b-ps
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR228712 representing NM_001281472 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGGCCAAGCCTTGTTGGGTCGCTTGAGTGGAGAAGCCGAAAACAGGTGGATGTCTTCAGACAAAATC  
TTTCCAGGAGGCTGATGACTTCCTCTGCACTTTCTTGCCACGGAAAATCATATCCCTGAGTCAGCTCTT  
GCAGGAGGATTCCTCAATGTGGCCGACCTCTCCTCCCTCCGGGCTCCTCTGGACATCCCTATCCCAGAT  
CCTCCACCCAAGGATGACGAGATGGAAACAGACAAGCAGGAGAAGAAGGAAGTCCCTAAGTGTGGCTACC  
TCCCGGGAACGAGAAGCTTCTGGCCTTGCTTGCTTTGGTTAAGCCAGAAGTCTGGACTCTCAAAGAGAA  
GTGCATTCTGGTAATCACGTGGATCCAGCACCTGATCCCCAAGATTGAGGATGGAATGATTTTGGGGTG  
GCAATTCAGGAGAAGGTGCTGGAGAGAGTGAATGCTGTCAAGACCAAAGTAGAAGCTTCCAGACAACTA  
TTTCAAGTACTTCTCAGAACGAGGGGATGCTGTAGCCAAGGCTTCAAGGATACCCATGTAATGGATTA  
CCGGGCCCTTGGTGCATGAGCGAGATGAAGCAGCCTATGGGGCGCTTAGGGCCATGGTGTGGACCTGAGG  
GCCTTCTATGCTGAGCTTTATCATATCATCAGCAGCAACCTAGAGAAAATCGTCAACCCGAAGGGTGAAG  
AAAAGCCATCGATGTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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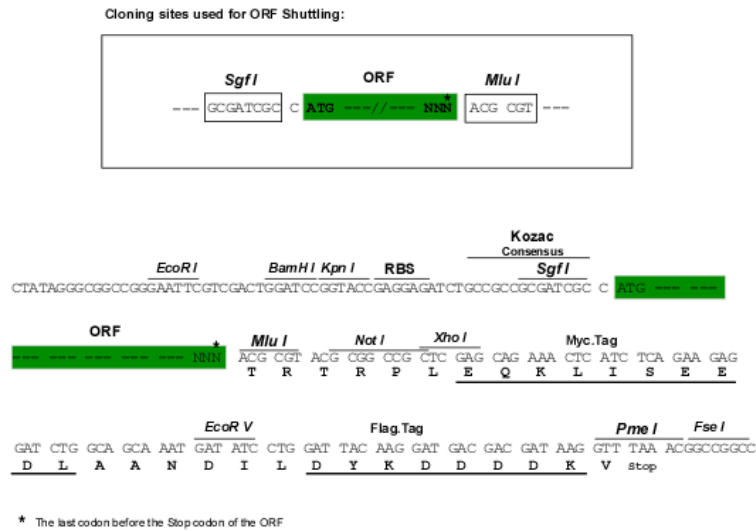
Protein Sequence: >MR228712 representing NM\_001281472  
Red=Cloning site Green=Tags(s)

MAKPCGVRLSGEARKQVDVFRQNLFQEADDFLCTFLPRKIISLSQLLQEDSLNVADLSSLRAPLDIIPD  
PPPKDDEMETDKQEKKEVPKCGYLPGNEKLLALLALVKPEVWTLKEKCILVITWQHILIPKIEDGNDFGV  
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AFYAELYHISSNLEKIVNPKGEEKPSMY

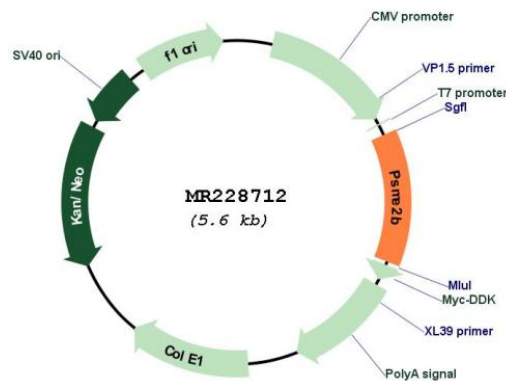
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001281472

ORF Size: 717 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_001281472.1</a> , <a href="#">NP_001268401.1</a>
<b>RefSeq Size:</b>	1066 bp
<b>RefSeq ORF:</b>	720 bp
<b>Locus ID:</b>	621823
<b>UniProt ID:</b>	<a href="#">P97372</a>
<b>Cytogenetics:</b>	11 B1.2
<b>MW:</b>	27.5 kDa
<b>Gene Summary:</b>	<p>This gene may encode proteasome activator complex subunit 2 protein (PMID: 10222192). This gene, located on chromosome 11, lacks a structured promoter and is intronless. It has also been described as a pseudogene (PMID: 9914329), however, it has an intact coding region and transcripts can be placed at this location unambiguously. An interferon-inducible gene located on chromosome 14, near the gene that encodes proteasome activator complex subunit 1 protein, is considered the functional gene. [provided by RefSeq, Jul 2013]</p>