

## Product datasheet for MR218217

### Psme2 (NM\_001029855) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Psme2 (NM\_001029855) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Psme2  
**Synonyms:** AA589371; AI788882; PA28b  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR218217 representing NM\_001029855  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTGAGGGGTACTACTCACGGTGGATGTCTTCAGACAAAATCTTTCCAGGAGGCTGATGACTTCC  
 TCTGCACTTTCTTGCCACGAAAATCATATCCCTGAGTCAGCTCTTGCCAGGAGGATCCCTCAATGTGGC  
 CGACCTCCTCCCTCCGGGCTCCTCTGGACATCCCTATCCAGATCCTCCACCCAAGGATGACGAGATG  
 GAAACAGACAAGCAGGAGAAGAAGGAAGTCCCTAAGTGTGGCTACCTCCCGGGGAACGAGAAGCTTCTGG  
 CCTTGCTCGCTTTGGTTAAGCCAGAAGTCTGGACTCTCAAAGAGAAGTGCATTCTGGTAATCACATGGAT  
 CCAGCACCTGATCCCAAGATTGAGGATGGAAATGATTTTGGGGTGGCAATTCAGGAGAAGGTGCTGGAG  
 AGAGTGAATGCTGTCAAGACAAAGTAGAAGCTTTCCAGACAACCATTTCCAAGTACTTCTCAGAACGAG  
 GGGACGCTGTAGCCAAGGCTTCCAAGGACACCCATGTAATGGATTACCGGGCCTTGGTGCATGAGCGAGA  
 TGAAGCAGCCTATGGGGCGCTTAGGGCCATGGTGTGGACCTGAGGGCCTTCTATGCTGAGCTTTATCAT  
 ATCATCAGCAGCAACCTAGAGAAAATCGTCAACCCGAAGGGTGAAGAAAAGCCATCGATGTAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR218217 representing NM\_001029855  
Red=Cloning site Green=Tags(s)

MAEGLLLTVDFVRQNLFQEADDFLCTFLPRKIIISLSQLLQEDSLNVADLSSLRAPLDIPIPDPPPKDDEM  
 ETDKQEKEKVPKCGYLPGNEKLLALLALVKPEVWTLKEKCILVITWIQHLIPKIEDGNDFGVAIQEKVLE  
 RVNAVKTKEAFQTTISKYF SERGDAVAKASKDTHVMDYRALVHERDEAAYGALRAMVLDLRAFYAEL YH  
 IISSNLEKIVNPKGEEKPSMY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001029855

**ORF Size:** 693 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\\_001029855.1](#), [NP\\_001025026.1](#)

**RefSeq Size:** 806 bp

**RefSeq ORF:** 696 bp

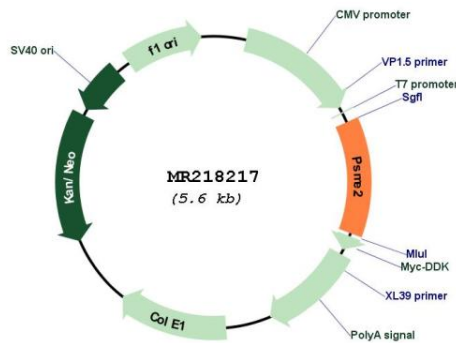
**Locus ID:** 19188

**UniProt ID:** [P97372](#)

**Cytogenetics:** 14 28.19 cM

**MW:** 26.6 kDa

**Product images:**



Circular map for MR218217