

Product datasheet for **MG218217**

Psme2 (NM_001029855) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psme2 (NM_001029855) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Psme2
Synonyms: AA589371; AI788882; PA28b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218217 representing NM_001029855
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGGGGTACTACTCACGGTGGATGTCTTCAGACAAAATCTTTCCAGGAGGCTGATGACTTCC
TCTGCACTTTCTTGCCACGAAAATCATATCCCTGAGTCAGCTCTTGCCAGGAGGATCCCTCAATGTGGC
CGACCTCTCCTCCCTCCGGCTCCTCTGGACATCCCTATCCAGATCCTCCACCCAAGGATGACGAGATG
GAAACAGACAAGCAGGAGAAGAAGGAAGTCCCTAAGTGTGGCTACCTCCCGGGGAACGAGAAGCTTCTGG
CCTTGCTCGCTTTGGTTAAGCCAGAAGTCTGGACTCTCAAAGAGAAGTGCATTCTGGTAATCACATGGAT
CCAGCACCTGATCCCAAGATTGAGGATGGAAATGATTTTGGGGTGGCAATTCAGGAGAAGTGCTGGAG
AGAGTGAATGCTGTCAAGACCAAAGTAGAAGCTTTCAGACAACCATTTCCAAGTACTTCTCAGAACGAG
GGGACGCTGTAGCCAAGGCTTCCAAGGACACCCATGTAATGGATTACCGGGCCTTGGTGCATGAGCGAGA
TGAAGCAGCCTATGGGGCGCTTAGGGCCATGGTGTGGACCTGAGGGCCTTCTATGCTGAGCTTTATCAT
ATCATCAGCAGCAACCTAGAGAAAATCGTCAACCCGAAGGGTGAAGAAAAGCCATCGATGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218217 representing NM_001029855
 Red=Cloning site Green=Tags(s)

MAEGLLLTVDFVRQNLQFQEADDFLCTFLPRKIIISLSQLLQEDSLNVADLSSLRAPLDIPIPDPPPKDDEM
 ETDKQEKKVEPKCGYLPGNEKLLALLALVKPEVWTLKEKCILVITWIQHLIPKIEDGNDFGVAIQEKVLE
 RVNAVTKKVEAFQTTISKYF SERGDAVAKASKDTHVMDYRALVHERDEAAYGALRAMVLDLRAFYAELYH
 IISSNLEKIVNPKGEEKPSMY

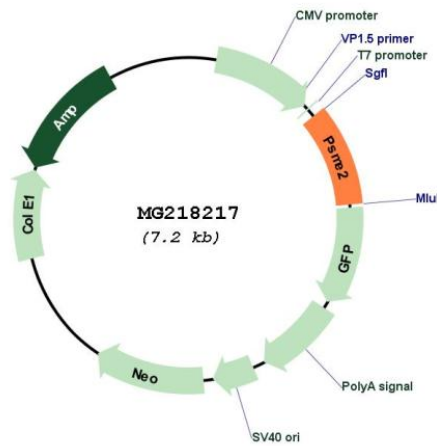
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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