

## Product datasheet for **MG208535**

### Prmt3 (BC050775) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prmt3 (BC050775) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prmt3
Synonyms:	2010005E20Rik; 2410018A17Rik; AL033309; Hrmt113
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208535 representing BC050775  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTGTTTCGCTAGCGGCCGGGAACGGCCGTGGCGCCGAGCTGGGGCCGGAGCCCCTGGAAGTGTCCGACA  
 GCGGAGACGACGCGGGCTGGGAGACGAGGACGCGGACACTGAGCCCAGCAGCGCCGGCAGCACACACC  
 CTGCCTGTTCTGTGACAGGTTGTTTCGCTCTGCTGAGGAAACGTTTTTCACTGTAAGTTGGAGCATCAA  
 TTTAATATTGATAGTATGGTCCATAAACATGGACTTGAATTTTATGGATACATAAACTAAATAAATTTTA  
 TTAGACTTAAGAATCCTACGTTGAATATGAATTCATATATAACCCTGTGCCTGGGAAAAAGATGA  
 GTACCTGAAGCCAGTGTGGAAGATGACCTTTGCTTCAGTTTGTAGTGTAGAAGATCTTTATGAGCCTGTG  
 TCTACTCCATTCTCATACCCCAATGGACTCAGTAAAGCGCATCTGTTGTTGAGAAGTTGAAGCACATGG  
 AAGCGCGGGCGTGTCTGCTGAGGCTGCCTTGGCTCGGGCGCTGAGGATCTGCAGAAGATGAAACAATT  
 TGCTCAGGACTTTGTGATGAACGTAGATGTCAGAACCTGCTCCTCCACGACGACCATTGCAGACCTGCAG  
 GAGGATGAGGATGGCGTCTACTTCAGCTCCTATGGGCATTATGGGATACATGAAGAAATGCTAAAGGACA  
 AAGTACGCACAGAAAGTTACAGAGATTTTATATACCAAAATCCACACATCTTCAAAGATAAGGTTGTTCT  
 GGATGTTGGGTGTGGAATGGAATCTCTCCATGTTTGCTGCCAAAGTTGGGGCAAAGAAAGTATTGCA  
 GTCGACCAAGTCTGAAATCCTCTACCAGGCTATGGATATCATAAGACTAAATAAACTTGAAGATACCATTTG  
 TACTAATTAAGGAAAGATTGAAGAAGTGAAGTCTTCTGTGGAAAAGGTGGATGTTATTATATCAGAGTG  
 GATGGGCTATTTCTCTTTTGGAGTCGATGTTGGATTCTGTCTTTATGCTAAGAGTAAATACTTGGCA  
 AAAGGGGGATCGGTCTACCCTGACATTTGCACCATCAGCCTTGTAGCTGTGAGTGTGTGAGCAAGCAGC  
 CCGATAGAATTGCCTTCTGGGATGAGTCTATGGCTTCAACATGCTCCTGCATGAAGAAAGCAGTTATACC  
 GGAAGCTGTTGTGGAAGTTGTGGATCACAAGACTCTTATTTTCCAGACCCTTGTGATATCAAGATGGATGGG  
 AAGCACATAGACTGCCACACCACGTCTATCTCAGACTTGGAGTTTTCTTCAAGTTTTACCCTGAGAACCA  
 CAAAGACGGCCATGTGCACGGCAGTTGCTGGTACTTTGATATATATTTTGAAGAAGTGGCACACAAG  
 GGTGCTGTTCTCTACTGGCCCCAGAGCACAAAACACTGGAAACAGACAGTATTTCTGCTGGAAAAA  
 CCTTTTCCGTTAAAGCAGGTGAAGCTCTGAAAGGAAAGATCACAGTTCACAAGAATAAGAAGGATCCTC  
 GTTCCCTCATTGTGACCCTGACTTTGAACAGTTCAACCCAGACTTACAGTCTCCAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208535 representing BC050775  
 Red=Cloning site Green=Tags(s)

MCSLAAGNGRGAELGPEPELSDSGDDAGWEDEDADTEPAHGRQHTPCLFCDRLFASAEETFSHCKLEHQ  
 FNIDSMVHKHGLEFYGYIKLINFIRLKNPTVEYMNSIYNPVPWEKDEYLPVLEDDLLLQFDVEDLYEPV  
 STPF SYPNGLSESASVVEKLGHEARALSAEALARAREDLQMKQFAQDFVMNVVVRTCSSTTTIADLQ  
 EDEDGVYFSSYGHYIHEEMLKDKVRTE SYRDFIYQNPFIKDKVVLVVGCGTGILSMFAAKVGAKKVIA  
 VDQSEILYQAMDIIIRLNKLEDITVLIKGKIEEVS LPVEKVDV IISEWMGYFLLFESMLDSVLAKSKYLA  
 KGGSVYPDICTISLVAVSDVSKHADRIAFWDDVYGFNMSCMKKAVIPEAVVEVDHKTLSIDPCDIKMDG  
 KHIDCHTTSISDLEFSSDFLRRTKTAMCTAVAGYFDIYFEKNCHNRVVFSTGPQSTKTHWKQTVFLLK  
 PFPVKAGEALKGKITVHKNKDPRLIVTLTLNSSTQYSLQ

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

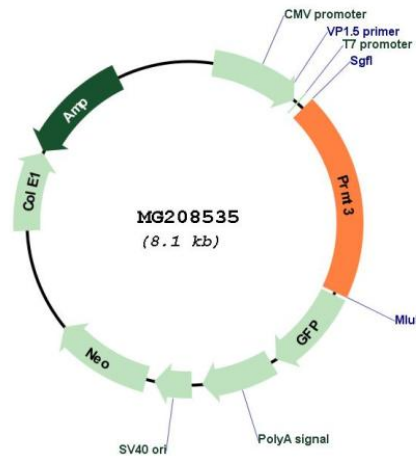
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	BC050775
<b>ORF Size:</b>	1596 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="#">BC050775.1</a>
<b>RefSeq Size:</b>	2514 bp
<b>RefSeq ORF:</b>	1598 bp
<b>Locus ID:</b>	71974
<b>Cytogenetics:</b>	7 B4
<b>Gene Summary:</b>	Methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues in some proteins.[UniProtKB/Swiss-Prot Function]