

Product datasheet for **MG217040**

Prmt3 (NM_133740) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prmt3 (NM_133740) 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:

>MG217040 representing NM_133740
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTTTCGCTAGCGGCGGGGAACGGCCGTGGCGCCGAGCTGGGGCCGGAGCCCCTGGAAGTGTCCGACA
 GCGGAGACGACGCGGGCTGGGAGGACGAGGACGCGGACACTGAGCCCAGCAGCGCCGGCAGCACACACC
 CTGCCTGTTCTGTGACAGGTTGTTCCGCTCTGCTGAGGAAACGTTTTACACTGTAAGTTGGAGCATCAA
 TTTAATATTGATAGTATGGTCCATAAACATGGACTTGAATTTTATGGATACATAAACTAATAAATTTTA
 TTAGACTTAAGAATCCTACGTTGAATATGAATCCATATATAACCCTGTGCCTTGGGAAAAAGATGA
 GTACCTGAAGCCAGTGTGGAAGATGACCTTTGCTTCAGTTTGTAGTGTAGAAGATCTTTATGAGCCTGTG
 TCTACTCCATTCTCATACCCCAATGGACTCAGTAAAGCGCATCTGTTGTTGAGAAGTTGAAGCACATGG
 AAGCGCGGGCGTGTCTGCTGAGGCTGCCTTGGCTCGGGCGCTGAGGATCTGCAGAAGATGAAACAATT
 TGCTCAGGACTTTGTGATGAACGTAGATGTCAGAACCTGCTCCTCCACGACGACCATTGCAGACCTGCAG
 GAGGATGAGGATGGCGTCTACTTCAGCTCCTATGGGCATTATGGGATACATGAAGAAATGCTAAAGGACA
 AAGTACGCACAGAAAGTTACAGAGATTTTATATACCAAAATCCACACATCTTCAAAGATAAGGTTGTTCT
 GGATGTTGGGTGTGGAATGGAATCTCTCCATGTTTGTGCTGCCAAAGTTGGGGCAAAGAAAGTATTGCA
 GTCGACCAGTCTGAAATCCTCTACCAGGCTATGGATATCATAAGACTAAATAAACTTGAAGATACCATTTG
 TACTAATTAAGGAAAGATTGAAGAAGTGAAGTCTTCTGTGAAAAGGTGGATGTTATTATATCAGAGTG
 GATGGGCTATTTCTCTTTTGGAGTCGATGTTGGATTCTGTCTTTATGCTAAGAGTAAATACTTGGCA
 AAAGGGGGATCGGTCTACCCTGACATTTGCACCATCAGCCTTGTAGCTGTGAGTGTGTGAGCAAGCAGC
 CCGATAGAATTGCCTTCTGGGATGAGTCTATGGCTTCAACATGCCTGCATGAAGAAAGCAGTTATACC
 GGAAGCTGTTGTGGAAGTTGTGGATCACAAAGACTCTTATTTTCCAGACCCTTGTGATATCAAGCACATAGAC
 TGCCACACCACGTCTATCTCAGACTTGGAGTTTCTTCCAGATTTTACCCTGAGAACCACAAAGACGGCCA
 TGTGCACGGCAGTTGCTGGTACTTTGATATATATTTTGAAGAAGTGGCACAACAGGGTCTGTTCTCTC
 TACTGGCCCCAGAGCACCAAAACACACTGAAACAGACAGTATTTCTGCTGGAAAAACCTTTTCCGGTT
 AAAGCAGGTGAAGCTCTGAAAGGAAAGATCACAGTTCACAAGAATAAGAAGGATCCTCGTCCCTCATTG
 TGACCCTGACTTTGAACAGTTCAACCCAGACTTACAGTCTCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217040 representing NM_133740
 Red=Cloning site Green=Tags(s)

MCSLAAGNGRGAELGPEPELSDSGDDAGWEDEDADTEPAHGRQHTPCLFCDRLFASAEETFSHCKLEHQ
 FNIDSMVHKHGLEFYGYIKLINFIRLKNPTVEYMNSIYNPVPWEKDEYLPVLEDDLLLQFDVEDLYEPV
 STPFSSYPNGLSESASVVEKLGHEARALSAEALARAREDLQKMKQFAQDFVMNVVVRTCSSTTTIADLQ
 EDEDGVYFSSYGHYIHEEMLKDKVRTESYRDFIYQNPFIKDKVVLVVGCGTGILSMFAAKVGAKKVIA
 VDQSEILYQAMDIIIRLNKLEDITVLIKGKIEEVSPLPEKVDVVIISEWGMGYFLLFESMLDSVLYAKSKYLA
 KGGSVYPDICTISLVAVSDVSKHADRIAFWDDVYGFNMSCMKKAVIPEAVVEVDHKTLSIDPCDIKHID
 CHTTISDLEFSSDFTLRRTKTAMCTAVAGYFDIYFEKNCHNRVVFSTGPQSTKTHWKQTVFLLEKPPV
 KAGEALKGKITVHKNKDPKPRSLIVTLTLNSSTQYSLQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_133740

ORF Size: 1584 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_133740.2](#), [NP_598501.1](#)

RefSeq Size: 2495 bp

RefSeq ORF: 1587 bp

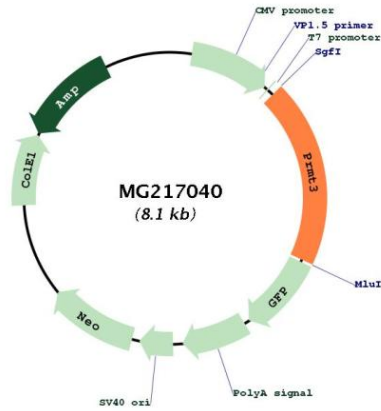
Locus ID: 71974

UniProt ID: [Q922H1](#)

Cytogenetics: 7 B4

Gene Summary: Methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues in some proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217040