

Product datasheet for **RG237187**

PRMT1 (NM_001207042) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT1 (NM_001207042) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRMT1
Synonyms:	ANM1; HCP1; HRMT1L2; IR1B4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237187 representing NM_001207042. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCAGCCGAGGCCGGAAGTGCATCATGGAGGTGTCTGTGGCCAGGCGGAAAGCAGTGAGAAG
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GAGATGCTGAAGGACGAGGTGCGCACCCCTCACTTACCGCAACTCCATGTTTCATAACCGGCACCTTTC
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AACGCCAAGAACAACCGGACCTGGACTTCACCATCGACCTGGACTTCAAGGGCCAGCTGTGCGAGCTG
TCCTGCTCCACCGACTACCGGATGCGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237187
 Blue=ORF Red=Cloning site Green=Tag(s)

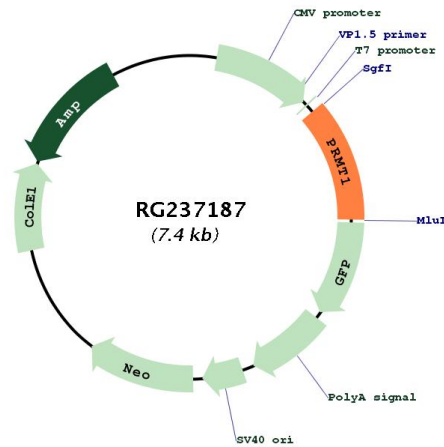
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 DIIISEWMGYCLFYESMLNNTVL YARDKWLEVDIYTVKVEDLFTTSPFCLQVKRNDYVHALVAYFNIEFT
 RCHKRTGFSTSPESPYTHWKQTVFYMEDYLTVKTGEEIFGTIGMRPNAKNNRDLDFIDLDFKGLCEL
 SCSTDYRMR
TRTRPLEMESDEGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
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 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001207042

ORF Size:	855 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).
RefSeq:	NM_001207042.3
RefSeq Size:	1192 bp
RefSeq ORF:	858 bp
Locus ID:	3276
UniProt ID:	Q99873
Cytogenetics:	19q13.33
MW:	33.1 kDa
Gene Summary:	This gene encodes a member of the protein arginine N-methyltransferase (PRMT) family. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to terminal guanidino nitrogen atoms. The encoded protein is a type I PRMT and is responsible for the majority of cellular arginine methylation activity. Increased expression of this gene may play a role in many types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5. [provided by RefSeq, Dec 2011]