

## Product datasheet for **RG237309**

### PRMT2 (NM\_001286676) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT2 (NM_001286676) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRMT2
Synonyms:	HRMT1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237309 representing NM_001286676. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCAACATCAGGTGACTGTCCCAGAAGTGAATCGCAGGGAGAAGGCCTGCTGAGTGCAGTGAGGCC
GGTCTCCTGCAGGAGGGAGTACAGCCAGAGGAGTTTGTGGCCATCGCGGACTACGCTGCCACCGATGAG
ACCCAGCTCAGTTTTTTGAGAGGAGAAAAAATCTTATCCTGAGACAAACCACTGCAGATTGGTGGTGG
GGTGAGCGTGC GGCTGCTGTGGGTACATTCGGCAAACCATGTGGGAAGCACGTGGATGAGTACGAC
CCCGAGGACACGTGGCAGGATGAAGAGTACTTCGGCAGCTATGGAACCTGAAACTCCACTTGGAGATG
TTGGCAGACCAGCCACGAACAATAAATACCACAGTGTATCCTGCAGAATAAAGAATCCCTGACGGAT
AAAGTCATCCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTCTTCTGTGCACACTATGCGCGGCCT
AGAGCGGTGTACGCGGTGGAGGCCAGTGAGATGGCACAGCACACGGGGCAGCTGGTCTGCAGAACGGC
TTTGCTGACATCATCACCGTGTACCAGCAGAAGGTGGAGGATGTGGTGTGCCCGAGAAGGTGGACGTG
CTGGTGTCTGAGTGGATGGGGACCTGCCTGCTGCACCACACACTGGAAGCAGACGCTGTTTCATGATGGA
CGACCCAGTCCCTGTCCATACAGGAGACGTGGTCACGGTTTCAGTTGTGTGCAGAGAAACCCAGTGTG
GAGAAGGCACATGTCTGTGGCTCTGAGCTGGGCTGTCACTTCCAGACAAGACCCACATCTCAAAAAGT
TGGAGAAAAAGTCTTCCCATCTGGAGATGACAGTTGATGCTTTATTTGGAAAGCAGTGTGCATATCTT
GAGGGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



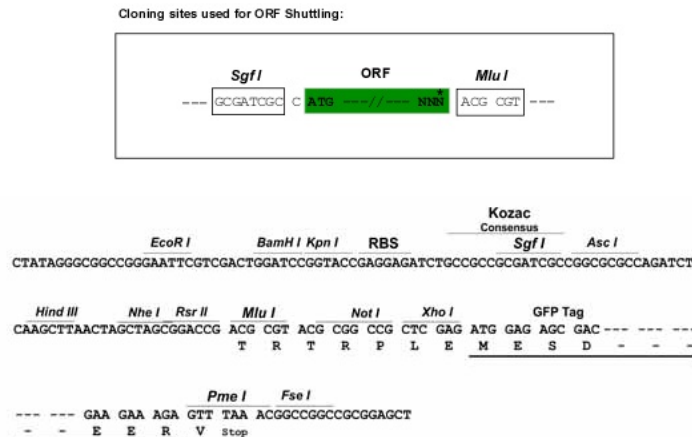
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237309  
 Blue=ORF Red=Cloning site Green=Tag(s)

MATSGDCPRSESQGEPAECSEAGLLQEGVQPEEFVAIADYAATDETQLSFLRGEKILILRQTTADWWW  
 GERAGCCGYIPANHVGHVDEYDPEDTWQDEEYFGSYGTLKLHLEMLADQPRTTKYHVSILQNKESLTD  
 KVLIDVGGCGTGIISLFCAYARPRAVYAVEASEMAQHTGQLVLQNGFADIITVYQKQVEDVVLPEKVDV  
 LVSEWMGTCLLHHTLEADAVHDGRPSPCPYRRRGHGFSCVAEKPSVEKAHVCGSELGCHFQTRPHISKS  
 WRKSLPHLEMTVDALFGKQCAYLEG  
**TR**TRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001286676

**ORF Size:** 903 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\\_001286676.1](#), [NP\\_001273605.1](#)

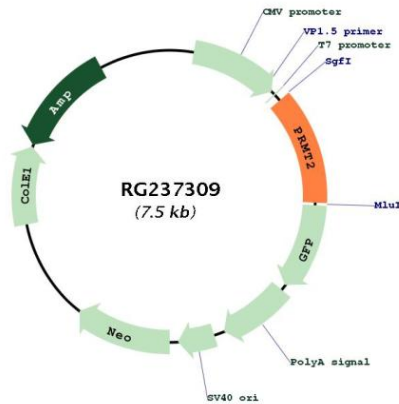
**RefSeq Size:** 1894 bp

**RefSeq ORF:** 906 bp

**Locus ID:** 3275  
**UniProt ID:** [P55345](#)  
**Cytogenetics:** 21q22.3  
**Protein Families:** Druggable Genome  
**MW:** 34 kDa

**Gene Summary:** Arginine methyltransferase that methylates the guanidino nitrogens of arginyl residues in proteins such as STAT3, FBL, histone H4. Acts as a coactivator (with NCOA2) of the androgen receptor (AR)-mediated transactivation. Acts as a coactivator (with estrogen) of estrogen receptor (ER)-mediated transactivation. Enhances PGR, PPARG, RARA-mediated transactivation. May inhibit NF-kappa-B transcription and promote apoptosis. Represses E2F1 transcriptional activity (in a RB1-dependent manner). May be involved in growth regulation. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG237309