

Product datasheet for **RG236728**

PRMT2 (NM_001286678) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT2 (NM_001286678) 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:	>RG236728 representing NM_001286678. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAACATCAGGTGACTGTCCCAGAAGTGAATCGCAGGGAGAAGGCCTGCTGAGTGCAGTGAGGCC
GGTCTCCTGCAGGAGGGAGTACAGCCAGAGGAGTTTGTGGCCATCGCGGACTACGCTGCCACCGATGAG
ACCCAGCTCAGTTTTTTGAGAGGAGAAAAATTCTTATCCTGAGACAAACCACTGCAGATTGGTGGTGG
GGTGAAGCGTGCAGGCTGCTGTGGGTACATTCGGCAAACCATGTGGGAAGCACGTGGATGAGTACGAC
CCCGAGGACACGTGGCAGGATGAAGAGTACTTCGGCAGCTATGGAACCTGAAACTCCACTTGGAGATG
TTGGCAGACCAGCCACGAACAATAAACCACAGTGTCATCCTGCAGAATAAAGAATCCCTGACGGAT
AAAGTCATCCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTCTTCTGTGCACACTATGCGCGGCCT
AGAGCGGTGTACGCGGTGGAGGCCAGTGAGATGGCACAGCACACGGGGCAGCTGGTCTGCAGAACGGC
TTTGCTGACATCATCACCGTGTACCAGCAGAAGGTGGAGGATGTGGTGTGCCCCGAGAAGGTGGACGTG
CTGGTGTCTGAGTGGATGGGGACCTGCCTGCTGGTTGGAGAAAAAGTCTTCCCCATCTGGAGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236728
 Blue=ORF Red=Cloning site Green=Tag(s)

MATSGDCPRSESQGEPAECSEAGLLQEGVQPEEFVAIADYAATDETQLSFLRGEKILILRQTTADWWW
 GERAGCCGYIPANHVKGKHYDEYDPEDTWQDEEYFGSYGLKHLHLEMLADQPRTTKYHSVILQNKESLTD
 KVILDVGGCGTGIISLFAHYARPRAVYAVEASEMAQHTGQLVLQNGFADIITVYQKVEDVVLPEKVDV
 LVSEWMTCLLVGEKVFPIWR
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001286678

ORF Size: 684 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.

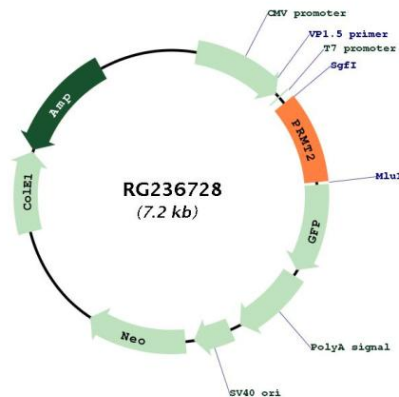
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001286678.1](#), [NP_001273607.1](#)

RefSeq Size: 1722 bp

RefSeq ORF: 687 bp

Locus ID: 3275
UniProt ID: [P55345](#)
Cytogenetics: 21q22.3
Protein Families: Druggable Genome
MW: 25.9 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 RG236728