

Product datasheet for **RG233943**

PRMT8 (NM_001256536) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRMT8 (NM_001256536) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRMT8
Synonyms:	HRMT1L3; HRMT1L4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233943 representing NM_001256536 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAGTCTCTGGCTTCAGATGGATTCAAGCTGAAAGAGGTTTCTTCTGTGAACAGCCCCCTCCAGC
 CCCCCAGCCGTCGTCCTGCTAAGCCCGTCAATGCGTCCATCATGTGTCCACTCAACCCAGCTGCC
 AGGACGGGGCAAGATGTCCAAGCTGCTGAACCCAGAGGAGATGACCTCGAGAGATTATTACTTCGACTCC
 TATGCCCACTTTGGGATCCACGAGGAAATGCTGAAGGATGAGGTGCGGACTCTCACTTACCGGAATCCA
 TGTACCACAACAAGCACGTGTTCAAGGACAAAGTGGTACTGGATGTGGGAGTGGTACTGGGATCCTTTC
 CATGTTTCGCTGCCAAGGCAGGGGCCAAGAAGGTGTTGGGATCGAATGCTCCAGTATTTCTGACTACTCA
 GAGAAGATCATTAAAGCCAACCACTTGGACAACATCATCACCATATTTAAGGGTAAAGTGAAGAGGTGG
 AGCTGCCTGTGGAGAAGGTGGACATCATCATCAGCGAGTGGATGGGCTACTGTCTGTTCTATGAGTCCAT
 GCTCAACACGGTGATCTTTGCCAGGGACAAGTGCTGAAACCTGGAGGGCTTATGTTTCCAGACCGGGCA
 GCTTTGTACGTGGTAGCGATTGAAGACAGACAGTACAAGGACTTCAAAATCCACTGGTGGGAGAATGTCT
 ATGGCTTTGACATGACCTGCATCCGGGACGTGGCCATGAAGGAGCCTCTAGTGGACATCGTGGATCCAAA
 GCAAGTGGTGACCAATGCCTGTTTGATAAAGGAGGTGGACATTTACACAGTGAAGACGGAAGAGCTATCG
 TTCACATCTGCATTCTGCCTGCAGATACAGCGCAACGACTACGTCCACGCCCTGGTCACCTATTTTAATA
 TTGAATTTACCAAGTGCCACAAGAAAATGGGGTTTTCCACAGCCCCTGATGCTCCCTACACCCACTGGAA
 GCAGACCGTCTTCTACTTGGAAGATTACCTCACTGTCCGAGGGGGAGGAAATCTACGGGACCATATCC
 ATGAAGCCAAATGCCAAAATGTGCGAGACCTCGATTTACAGTAGACTTGGATTTAAGGGACAGCTGT
 GTGAAACATCTGTATCTAATGACTACAAAATGCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG233943 representing NM_001256536
 Red=Cloning site Green=Tags(s)

MESLASDGFKLKEVSSVNSPPSQPPQPVPAKPVQCVHHVSTQPSCPGRGKMSKLLNPEEMTSRDYYFDS
 YAHFGIHEMLKDEVRTLTYRNSMYHNKHVFKDKVVLVDVSGTGILSMFAAKAGAKKVFGIECSSISDYS
 EKIIKANHLNDNIITIFKGKVEEVELPVEKVDIIISEWMGYCLFYESMLNTVIFARDKWLKPGGLMFPDRA
 ALYVVAIEDRQYKDFKIHWWENVYGFDMTCIRDVAMKEPLVDIVDPKQVVTNACLIKEVDIYTVKTEELS
 FTSAFCLQIQRNDYVHALVTYFNIEFTKCHKMGFSTAPDAPYTHWKQTVFYLEDYLTVRRGEEIYGTIS
 MKPNAKNVRDLDFTVDLDFKGQLCETSVSNDYKMR

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001256536

ORF Size: 1155 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_001256536.1](#), [NP_001243465.1](#)

RefSeq Size: 1995 bp

RefSeq ORF: 1158 bp

Locus ID: 56341

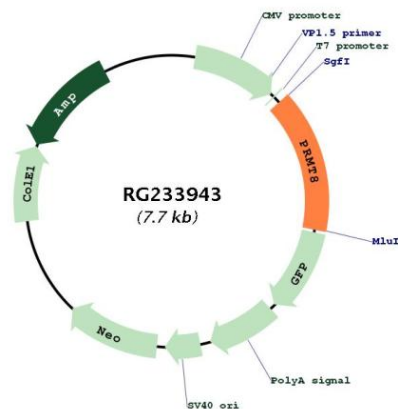
UniProt ID: [Q9NR22](#)

Cytogenetics: 12p13.32

Protein Families: Druggable Genome

Gene Summary: Arginine methylation is a widespread posttranslational modification mediated by arginine methyltransferases, such as PRMT8. Arginine methylation is involved in a number of cellular processes, including DNA repair, RNA transcription, signal transduction, protein compartmentalization, and possibly protein translation (Lee et al., 2005 [PubMed 16051612]). [supplied by OMIM, Mar 2008]

Product images:



Circular map for RG233943