

Product datasheet for **RR213502**

Prmt6 (NM_001106466) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prmt6 (NM_001106466) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prmt6
Synonyms:	Hrmt116
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213502 representing NM_001106466 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCTGAGCAAGAAAAGAAAGCTTGAGTCGGGGTTCGGCGGCAGGAGGGAGGGAGCTGAGGAGG
AAAATGGCGGGGAGCAGGAGGCAGCCCCGCCACGACCCCGGAGGACCAAGCGCGAGCGGGACCAGCTGTA
CTACGAGTGCTACTCCGACGTATCGGTCCACGAGGAGATGATCGCCGACCGCGTCCGACCGACGCCTAC
CGCTAGGCATCCTGAGAACTGGGCCGCTCTGCGAGGCAAGACCGTGTGGACGTGGCGCAGGCACCG
GCATTCTTAGCATCTTCTGCGCCAGGCCGGGGCCGGCGGTATACGCTGTGGAGGCCAGCGCCATCTG
GCAACAGGCCAGGAGGTGGTGCAGCTCAACGGTTGGAGGACCGGTGCACATCCTGCCAGGCCGGTG
GAGACGGTGGAGCTGCCGAGCAAGTGGACGCCATCGTAAGCGAGTGGATGGGCTACGGACTACTGCACG
AGTCCATGCTGAGCTCCGTGCTCCACGCGCGGACCAAAATGGTGAAGGAGGGCGGTCTCCTCCTGCCAGA
TTCCGCTGAGCTCTTCGTGGCCCCGATTAGCGACCAGATGCTGGAATGGCGCTTGGGTTTCTGGAGCCAA
GTGAAGCAGCACTATGGCGTGGATATGAGCTGCATGAAAAGCTTCGCCACGCGTGCCTCATGGGCCATT
CGGAGATCGTGGTGCAGGGTCTGTCCGGAGAGGACGTGCTGGCCCGGCCACAGCGCTTGGCCAGCTCGA
GCTGGCCCGCGCTGGCCTGGAGCAGGAGCTGGAGCCGGTGTGGCGGGCGCTTCCGCTGCAGCTGCTAT
GGCTCCGCGCCTACATGGTTTTGCCATCTGGTTTCAGGTAACCTTTCTGGAGGGGACTCGGAGAAAC
CTCTGGTGTGTCCACCTACCTTTCCACCCGGCCACGCACTGGAAGCAGGCGCTCCTCTACTTGAATGA
GCCGGTGGCGGTGGAACAAGATACAGACATTTCTGGAGAGATCACCTGTGCCCTCCCGGACAAACCC
CGGCGTCTGCGCTACTTCTGCGCTACAAAGTGGGGACCATGAGGAAAAGACCAAGACTTTGCCATGG
AGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR213502 representing NM_001106466
 Red=Cloning site Green=Tags(s)

MSLSKKRRLKESGVGGAGGEGAEENGGEQEAAPRRPRRTKRERDQLYYECYSDVSVHEEMIADRVRTDAY
 RLGILRNWAALRGKTVLDVVGAGTGILSIFCAQAGARRVYAVEASAIWQQAQEVVRLNGLIEDRVHILPGPV
 ETVELPEQVDIVSEWMGYLLHESMLSSVLHARTKWLKEGGLLLPDSAELEFVAPISDQMLEWRLGFWSQ
 VKQHYGVDMSCMESFATRCLMGHSEIVVQGLSGEDVLRPQRFAQLELARAGLEQLEAGVGGFRFCSCY
 GSAPLHGFAIWFQVTFPGGDSEKPLVLSTSPFHPATHWKQALLYLNEPVPVEQDITDISEITLLPSRDNP
 RRLRVLLRYKVG DHEEKTDFAMED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3014_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001106466

ORF Size: 1125 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001106466.1](#), [NP_001099936.1](#)

RefSeq Size: 3312 bp

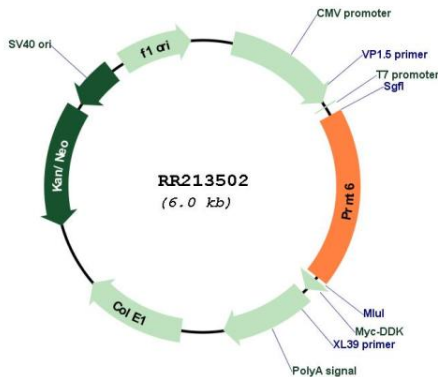
RefSeq ORF: 1128 bp

Locus ID: 295384

Cytogenetics: 2q41

MW: 41.7 kDa

Product images:



Circular map for RR213502