

## Product datasheet for **MR223030**

### Prmt2 (NM\_133182) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prmt2 (NM_133182) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prmt2
Synonyms:	A1504737; Hrmt11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR223030 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGGCACCAGGAGAAGTCCCTGCAGCGAGTACAGGTCATCCCGTTCTGGAGGAAGACCCCGTGG  
 ACTATGGCTGTGAGATGCAGCTCCTGCAGGATGGGGCACAGTTACAGCTGCAGCTGCAACCTGAGGAGTT  
 CGTGGCCATTGCAGACTATACGGCCACCGATGAGACACAGCTCAGCTTTTTGAGAGGAGAAAAAATTCTT  
 ATCCTGAGACAAACCACGGCGGACTGGTGGTGGGGCGAGCGCGCAGGCTGCTGTGGTTACATCCCTGCGA  
 ACCACCTCGGCAAGCAACTGGAGGAATACGACCCGGAGGACACCTGGCAGGACGAGGAGTACTTCGACAG  
 CTATGAACTCTGAACTTCACCTGAAATGTTGGCTGACCAGCCTCGGACCACCAAGTACCACAGCGTC  
 ATCCTGCAGAACAGGAGTCCCTGAAGGACAAGTTCATCTGGATGTGGGCTGCGGCACCGGCATCATCA  
 GCCTCTTCTGCGCACACCATGCCCGGCCAAGGCGGTCTACGCAGTGGAGGCCAGTGACATGGCCCAGCA  
 CACCAGCCAGCTGGTCTGCAGAATGGCTTTGCTGACACAATCACTGTGTCCAGCAGAAGGTGGAGGAC  
 GTGGTGTGCCCCGAGAAGGTGGACGTGCTGGTGTCTGAGTGGATGGGGACCTGTCTGCTGTTGAGTTCA  
 TGATCGAGTCCATCCTGTATGCCCGGGACACATGGTTAAAGGGGGACGGCATCATCTGGCCAACCCAGGC  
 CGCACTGCATCTGGTGCCTGCAGCGCCGAGAAAGACTACCACAGCAAGGTGCTCTTCTGGGACAACCGG  
 TACGAGTTCAACCTCAGTGCCTCAAGTCTTTAGCAATCAAGGAGTTCTTTCAAGGCCAAAGTCAAGTCA  
 ATATCTGAAGCCAGAAGACTGTCTCTGAGCCATGCACAATCTTGCAGCTGGACATGAGAAGTGTGCA  
 GGTCCCTGACCTGGAGACCATGCGTGGCGAAGTGCATTTGACATCCAGAAGGCTGGGACCCTGCACGGC  
 TTCACAGCTTGGTTCAGTGTGTACTTCCAGAGCCTGGAGAGGGCCAGCCTCAGCAGGTGCTCAGCACAG  
 GCCCGCTGCACCCACACACTGGAAGCAGACCTTGTTCATGATGGACGACCCAGTCCCGGTCCACAC  
 GGGAGATGTGGTACGGGTTCTGTTGTGTTACAAAGAAAATCCGGTATGGAGAAGGCACATGTCTGTCTCT  
 CTGAGCTGGGTTGTCACGTCCGCACTCGATCCACGTCTCAAAGAGTTGGAGAGAAGGTCTTCCGATCT  
 GGAGG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR223030 protein sequence  
 Red=Cloning site Green=Tags(s)

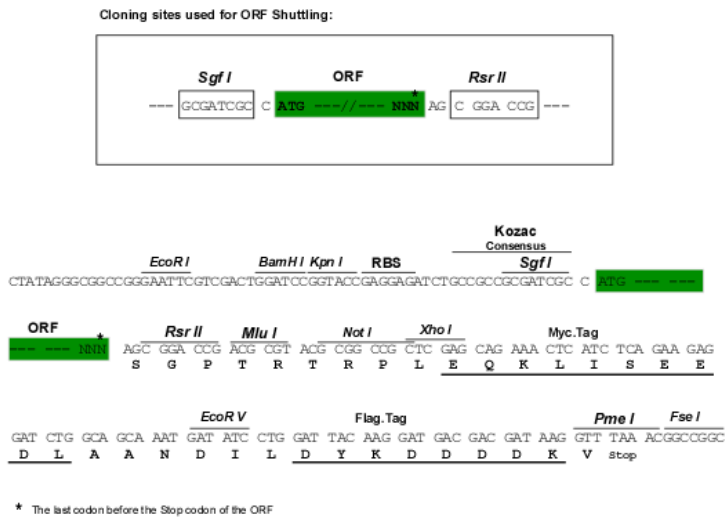
MEAPGEGPCSESQVIPVLEEDPVDYGCQMQLLQDGAQLQLQPEEFVAIADYATDETQLSFLRGEKIL  
 ILRQTTADWWWGERAGCCGYIPANHLGKQLEEDPEDTWQDEEYFDSYGLKLHLEMLADQPRTTYHVS  
 ILQNKESLKDVIIDVCGGTGIISLFAHHARPKAVYAVEASDMAQHTSQLVLQNGFADTITVFQKQVED  
 VVLPKVDVIVSEWMTCLLFEFMIESILYARDTWLKGDDGIWPTTAAHLVPCSAEKDYHVKVLFWDNA  
 YEFNLSALKSLAIKEFFSRPKSNHILKPEDCLSEPCTILQLDMRTVQVPDLETMRGELRFDIQKAGTLHG  
 FTAWFSVYFQSLEEGQPQVVLSTGPLHPTTHWKQTLFMMDDPVPVHTGDVVTGSVVLQRNPVWRRHMSVS  
 LSWVVTALDPTSQRVGEKVFPVIR

**SGP**TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-RsrII

Cloning Scheme:



ACCN: NM\_133182

ORF Size: 1338 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\\_133182.3](#), [NP\\_573445.2](#)

RefSeq Size: 2052 bp

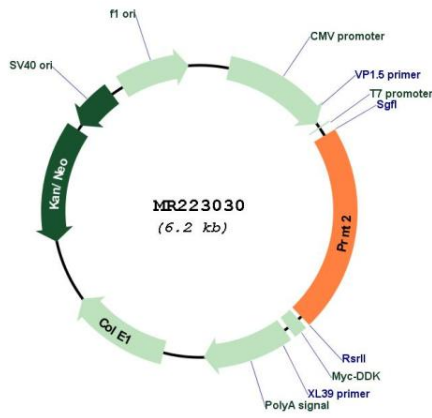
RefSeq ORF: 1338 bp

Locus ID: 15468

Cytogenetics: 10 38.74 cM

MW: 50.5 kDa

Product images:



Circular map for MR223030