

## Product datasheet for **SC331907**

### PRMT2 (NM\_001242865) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PRMT2 (NM\_001242865) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PRMT2  
**Synonyms:** HRMT1L1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331907 representing NM\_001242865.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCAACATCAGGTGACTGTCCCAGAAGTGAATCGCAGGGAGAAGAGCCTGCTGAGTGCAGTGAGGCC
GGTCTCCTGCAGGAGGGAGTACAGCCAGAGGAGTTTGTGGCCATCGCGGACTACGCTGCCACCGATGAG
ACCCAGCTCAGTTTTTTGAGAGGAGAAAAAATTCTTATCCTGAGACAAACCACTGCAGATTGGTGGTGG
GGTGAGCGTGC GGCTGCTGTGGGTACATTCCGGCAAACCATGTGGGGAAGCACGTGGATGAGTACGAC
CCCAGGACACGTGGCAGGATGAAGAGTACTTCGGCAGCTATGGAACCTGAAACTCCACTTGGAGATG
TTGGCAGACCAGCCAGCAACAATAAACCACAGTGTCATCCTGCAGAATAAAGAATCCCTGACGGAT
AAAGTCATCCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTCTTCTGTGCACACTATGCGCGGCCT
AGAGCGGTGTACGCGGTGGAGGCCAGTGAGATGGCACAGCACACGGGGCAGCTGGTCTGCAGAACGGC
TTTGCTGACATCATCACCGTGTACCAGCAGAAGGTGGAGGATGTGGTGTGCTGCCCGAGAAGGTGGACGTG
CTGGTGTCTGAGTGGATGGGGACCTGCCTGCTGGCTGCGCCTCTCCTGAGCTGCCGATTCTCCCCTGC
ACCTGTGCGTCTGGCCCTCTTACGTCTCCTGGCCTGCTGTCTGCCTCTCCCCTGCACCTGTGCGTCT
GTCCCTCTTATGTCTCCTTGCCTGCTGTCTGCCTGTTCTCAGAGCCCCCTCAGCCCTCAGGCCTTCA
CTCTCCTGGCCATCTTCTACTCTGA
```

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001242865  
**Insert Size:** 855 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  
**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).



[View online »](#)

**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\\_001242865.2](#)

**RefSeq Size:** 4171 bp

**RefSeq ORF:** 855 bp

**Locus ID:** 3275

**UniProt ID:** [P55345](#)

**Cytogenetics:** 21q22.3

**Protein Families:** Druggable Genome

**MW:** 31.2 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]

Transcript Variant: This variant (4) differs in the 5' UTR and has an alternate 3' terminal exon that causes a frame-shift compared to variant 1. The resulting shorter isoform (3) has a distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.