

## Product datasheet for **SC333922**

### **METTL11A (NTMT1) (NM\_001286800) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	METTL11A (NTMT1) (NM_001286800) Human Untagged Clone
Tag:	Tag Free
Symbol:	NTMT1
Synonyms:	AD-003; C9orf32; HOMT1A; METTL11A; NRMT; NRMT1; NTM1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333922 representing NM_001286800. Blue=Insert sequence Red=Cloning site Green=Tag(s)

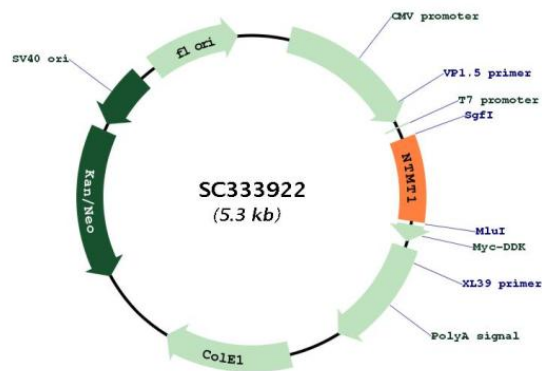
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACGAGCGAGGTGATAGAAGACGAGAAGCAATTCTATCCAAGGCCAAGACCTACTGGAAACAAATC
CCACCCACGGTGGACGGCATGCTTGGGGGGTATGGCCACATCTCCAGCATCGACATCAACAGCTCCCGG
AAGTTTCTGCAGAGGTTTTTGGGGAAGGCCCGAACAAGACAGGAACGTCTGTGCCCTGGACTGTGGA
GCTGGCATTGGGAGGATACCAAGCGGCTGCTCCTGCCGCTGTTGAGAGAGGTGGATATGGTCGACATA
ACGGAGGACTTCCTGGTCAAGCCAAGACCTACCTGGGGGAGGAGGCAAGAGGGCCACCTACCGATC
AGCACCTGGCCGAGTTCCTGCGGCGCTGCAAGGGCAGCCTCCGCCCAACGGCATCATCGTCATCAAAG
ACAACATGGCCCAGGAGGCGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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## Plasmid Map:



**ACCN:** NM\_001286800

**Insert Size:** 438 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).

**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\\_001286800.1](#)

RefSeq Size: 1451 bp

RefSeq ORF: 438 bp

Locus ID: 28989

UniProt ID: [Q9BV86](#)

Cytogenetics: 9q34.11

Protein Families: Druggable Genome

MW: 15.9 kDa

**Gene Summary:** The METTL11A gene encodes an N-terminal methyltransferase for the RAN (MIM 601179) guanine nucleotide exchange factor regulator of chromosome condensation 1 (RCC1; MIM 179710). METTL11A enzyme alpha-N-methylates other protein targets such as SET (MIM 600960) and RB (MIM 180200).[supplied by OMIM, Nov 2010]  
Transcript Variant: This variant (6) differs in the 5' UTR, and uses an alternate splice site that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a. Both variants 6 and 7 encode isoform b.