

Product datasheet for **RC236028**

METTL11A (NTMT1) (NM_001286800) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: METTL11A (NTMT1) (NM_001286800) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NTMT1
Synonyms: AD-003; C9orf32; HOMT1A; METTL11A; NRMT; NRMT1; NTM1A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236028 representing NM_001286800
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGAGCGAGGTGATAGAAGACGAGAAGCAATTCTATTCCAAGCCAAGACCTACTGGAACAAATCC
CACCCACGGTGGACGGCATGCTTGGGGGTATGGCCACATCTCCAGCATCGACATCAACAGCTCCGGAA
GTTTCTGCAGAGTTTTTGGAGGAAGGCCGAACAAGACAGGAACGTCTGTGCCCTGGACTGTGGAGCT
GGCATTGGGAGGATCACCAAGCGGCTGCTCCTGCCGCTGTTAGAGAGGTGGATATGGTCGACATAACGG
AGGACTTCTGGTTCAAGCCAAGACCTACCTGGGGAGGAGGGCAAGAGGGCCACCTCACCGATCAGCAC
CTGGCCGAGTTCTGCGGCGCTGCAAGGGCAGCCTCCGCCCAACGGCATCATCGTCATCAAGACAACA
TGGCCAGGAGGGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236028 representing NM_001286800
Red=Cloning site Green=Tags(s)

MTSEVIEDEKQFYSAKTYWKQIPPTVDGMLGGYGHISSIDINSSRKFLQRFLREGPNKGTSCALDCGA
GIGRITKRLLLPLFREVDMDITEDFLVQAKTYLGEEGRATSPISTWSSCGAARAASAPTASSSSKTT
WPRRA

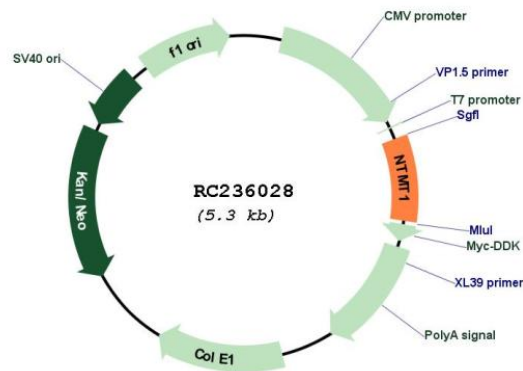
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001286800

ORF Size: 435 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:	<ol style="list-style-type: none">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:	<u>NM_001286800.1, NP_001273729.1</u>
RefSeq Size:	1451 bp
RefSeq ORF:	438 bp
Locus ID:	28989
UniProt ID:	<u>Q9BV86</u>
Cytogenetics:	9q34.11
Protein Families:	Druggable Genome
MW:	16.3 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]