

## Product datasheet for **RG235933**

### **METTL11A (NTMT1) (NM\_001286803) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** METTL11A (NTMT1) (NM\_001286803) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** METTL11A  
**Synonyms:** AD-003; C9orf32; HOMT1A; METTL11A; NRMT; NRMT1; NTM1A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG235933 representing NM\_001286803.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTCGACATAACGGAGGACTTCTGGTTCAAGCCAAGACCTACCTGGGGGAGGAGGGCAAGAGGGTG
AGGAACTACTTCTGTTGTGGGCTCCAGGACTTCACCCCGAGCCGGACTTTACGACGTGATCTGGATC
CAGTGGGTGATAGGCCACCTCACCGATCAGCACCTGGCCGAGTTCCTGCGGCGCTGCAAGGGCAGCCTC
CGCCCCAACGGCATCATCGTCATCAAAGACAACATGGCCAGGAGGGCGTGATTCTGGACGACGTGGAC
AGCAGCGTGTGCCGGACCTTGACGTGGTCCGCAGGATCATCTGCAGTGCAGGCCTCAGCCTCTGGCC
GAGGAGAGGCAGGAGAACCTCCCGATGAGATCTACCATGTCTATAGCTTTGCCCTGAGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG235933  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MVDITEDFLVQAKTYLGEEGKVRNYFCCGLQDFTPPEPDSYDVIWIQWVIGHLTDQHLAEFLRCKGSL
RPNGIIVIKDNMAQEGVILDDVDSVCRDLDVVRRRIICSAGLSLLAEERQENLPDEIYHVVSFALR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001286803

**ORF Size:** 405 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).

**RefSeq:** [NM\\_001286803.1](#), [NP\\_001273732.1](#)

**RefSeq Size:** 1320 bp

**RefSeq ORF:** 408 bp

**Locus ID:** 28989

**UniProt ID:** [Q9BV86](#)

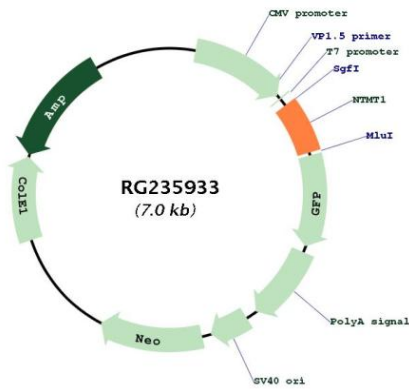
**Cytogenetics:** 9q34.11

**Protein Families:** Druggable Genome

**MW:** 16 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]

**Product images:**


Circular map for RG235933