

Product datasheet for **RG202601**

METTL7A (NM_014033) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METTL7A (NM_014033) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	METTL7A
Synonyms:	AAM-B; AAMB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202601 representing NM_014033 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTTACCATCTTTATCCTGAGACTGGCCATTTACATCCTGACATTTCCCTTGACCTGCTGAACT
TTCTGGGCTTGTGGAGCTGGATATGCAAAAAATGGTCCCTACTTCTTGGTGAGGTTCACTGTGATATA
CAACGAACAGATGGCAAGCAAGAAGCGGGAGCTTTCAGTAACCTGCAGGAGTTTTCGGGGCCCTCCGGG
AAACTCTCCCTGCTGGAAGTGGCTGTGGCACGGGGCCAACCTCAAGTTCTACCCACCTGGGTGCAGGG
TGACCTGTATTGACCCCAACCCAACTTTGAGAAGTTTTGATCAAGAGCATTGCAGAGAACCGACACCT
GCAGTTTGAGCGCTTTGTGGTAGCTGCCGGGAGAACATGCACCAGGTGGCTGATGGCTCTGTGGATGTG
GTGGTCTGCACCTGGTCTGTGCTCTGTGAAGAACCAGGAGCGGATTCTCCGCGAGGTGTGCAGAGTGC
TGAGACCGGGAGGGGCTTTCTATTTTCATGGAGCATGTGGCAGCTGAGTGTTCGACTTGAATTACTTCTG
GCAACAAGTCTGGATCCTGCCTGGCACCTTCTGTTTGTGGGTGCAACCTGACCAGAGAGAGCTGGAAG
GCCCTGGAGCGGGCCAGCTTCTAAGCTGAAGCTGCAGCACATCCAGGCCCCACTGTCTGGGAGTTGG
TGCGCCCTCATATCTATGGATATGCTGTGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202601 representing NM_014033
 Red=Cloning site Green=Tags(s)

MELTIFILRLAIYILTFPLYLLNFLGLWSWICKKWFYFLVRFTVIYNEQMASKRELFNSLQEFAGPSG
 KLSLLEVGCGTGANFKFYPPGCRVTCIDPNPNFEKFLIKSIAENRHLQFERFVVAAGENMHQVADGSVDV
 VVCTLVLCVKNQERILREVCRLRPGGAFYFMEHVAAECSTWNYFWQQVLDPAWHLLFDGCNLTRESWK
 ALERASFSLKLQHIQAPLSWELVRPHIYGAVK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014033

ORF Size: 732 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_014033.4](#)

RefSeq Size: 3390 bp

RefSeq ORF: 735 bp

Locus ID: 25840

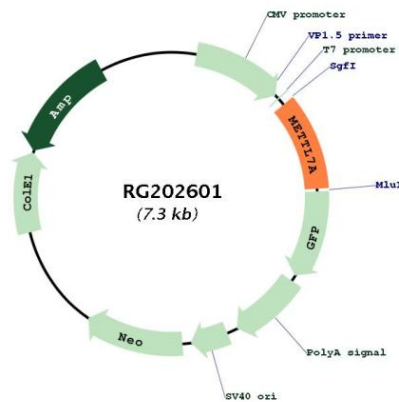
UniProt ID: [Q9H8H3](#)

Cytogenetics: 12q13.12

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Probable methyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202601