

Product datasheet for **RG219665**

METTL2A (NM_181725) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METTL2A (NM_181725) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	METTL2A
Synonyms:	METTL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219665 representing NM_181725 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCGGCTCCTACCCTGAAGGTGCACCTGCAGTCTCGCCGATAAGAGGCAGCAGTTCGGAAGCCGGT
TCCTGAGAGATCCGGCGCGCTCTCCACCACAATGCCTGGGACAATGTGGAGTGGTCGGAAGAGCAAGC
CGCGCCGGCGGAGAGAAAAGTCCAGGAGAACAGTATCCAGCGGGTGTGCCAGGAGAAACAAGTTGATTAT
GAGATCAATGCCACAAATACTGGAATGACTTCTACAAAATCCACGAAAATGGGTTTTTCAAGGATAGAC
ATTGGCTTTTTACCGAATCCCTGAGCTGGCACCTAGCCAAAATCAAAATCATTTGAAGGACTGGTTCTT
GGAGAACAAGAGTGAAGTACCTGAATGTAGAAACAATGAGGATGGACCTGGTTAATAATGGAAGAACAG
CACAAGTGTCTTCAAAGAGCCTTGAACATAAAACACAGACACTTCTGTGGAGGAGAATGTAACCTCAGA
AAATTAGTGACCTGGAATTTGTGCTGATGAGTTTCTGGATCCTCAGCCACCTACCGAATACTGGAGGT
TGGCTGTGGTGTGGGAAACACAGTCTTTCCAATTTACAAACGAACAATGACCCAGGACTCTTTGTTTAT
TGCTGTGATTTTTCTCCACAGCTATAGAAGTGGTCCAGACAAATTCAGAATATGATCCTTCTCGGTGTT
TTGCCTTTGTTCCAGACCTGTGTGATGAAGAGAAGAGTTACCCAGTGCCAAGGGCAGTCTTGATATTAT
CATTCTCATATTTGTTCTTTTCAGCAATTTGTTCCAGACAAGATGCAGAAGGCTATCAACAGGCTGAGCAGG
CTTCTGAAACCTGGCGGGATGATGCTTCTGCGAGATTACGGCCGCTATGACATGGCTCAGCTTCGGTTTA
AAAAAGGTCAGTGTCTATCTGGAAATTTCTACGTGAGAGGTGATGGAACCAAGAGTTTACTTCTCACACA
AGAGGAACTGGACACGCTTTTACCACACTGCTGGACTGGAAAAAGTTCAGAACCTGGTGGATCGCCGACTG
CAGGTGAACCGAGGAAAGCAACTGACAATGTACCGGGTTTGGATTGATGCAAACTACTGCAAGCCCTTCT
TGTCAGCACCAGC

ACGGTACGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219665 representing NM_181725
 Red=Cloning site Green=Tags(s)

MAGSYPEGAPAVLADKRQQFGSRFLRDPARVFFHNAWDNVEWSEEQAAAAERKVQENSIQRVCQEKQVDY
 EINAHKYWNDFYKIHENGFFKDRHWLFTFPELAPSQNQNLKDWFLNKSEVPECRNEDGPGIMEEQ
 HKCSSKSLEHKTQTLPEENVTKIISDLEICAEFFPGSSATYRILEVCGVGNTVFPILQTNNDPGLFVY
 CCDFSSATAIELVQTNSEYDPSRCFAFVHDLCDDEEKSYVPVPGSLDIIILIFVLSAIVPDKMQKAINRLSR
 LLKPGGMMLLRDYGRYDMAQLRFKKGQCLSGNFYVRGDGTRVYFFTQEELDTLFTTAGLEKVQNLVDRRL
 QVNRGKQLTMYRVWVIQCKYCKPLLSSTS

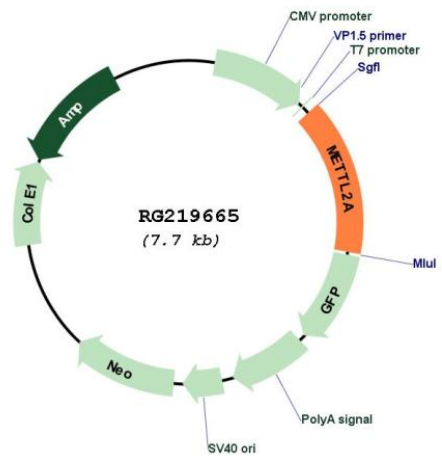
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_181725

ORF Size:	1134 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:	NM_181725.4
RefSeq Size:	2519 bp
RefSeq ORF:	1137 bp
Locus ID:	339175
UniProt ID:	Q96LZ6
Cytogenetics:	17q23.2
Protein Families:	Druggable Genome
Gene Summary:	Probable S-adenosyl-L-methionine-dependent methyltransferase that mediates 3-methylcytidine modification of some tRNAs.[UniProtKB/Swiss-Prot Function]