

Product datasheet for **RG205517**

Methyltransferase like protein 10 (METTL10) (NM_212554) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Methyltransferase like protein 10 (METTL10) (NM_212554) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Methyltransferase like protein 10
Synonyms:	C10orf138; Efm4; METTL10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205517 representing NM_212554 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTCGGGCGCTGACGGCGCGGTGGCGCTGCGGTGGCGCGCGGTGGGACAAGGGCAGTCCCGGGG
AGGACGGTTTCGTCCTCGTGGCGCTGGGACCCGCGAGCATTGGGATGCTGTCTATGAGAGAACTGCA
AACTTTCCGAGAATATGGAGATACAGGTGAAATCTGGTTGGAGAAGAGAGTATGAATCGACTAATAAGG
TGGATGCAGAAACACAAGATTCCACTGGATGCTTCAGTGCTTGATATTGGAAGTGGAAATGGTGTCTTCC
TGTTGAACTTGCAAAATTTGGTTCTCTAATATTACTGGAATTGATTACTCTCCTTCTGCAATTCAGCT
TTCTGGAAGTATTATAGAAAAGAAGGTTTATCTAACATTAAGTTAAAGGTAGAAGACTTTTGAATCTC
TCCACACAGCTGTCTGGATTTTCATTTGTATTGACAAAGGGACTTTTGATGCCATAAGCCTTAATCCTG
ACAATGCAATTGAGAAGAGGAAGCAATATGTGAAATCTCTCCAGGGTGTGAAAGTAAAGGCTTTTT
TTCTAATAACGTCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG205517 representing NM_212554 Red=Cloning site Green=Tags(s)
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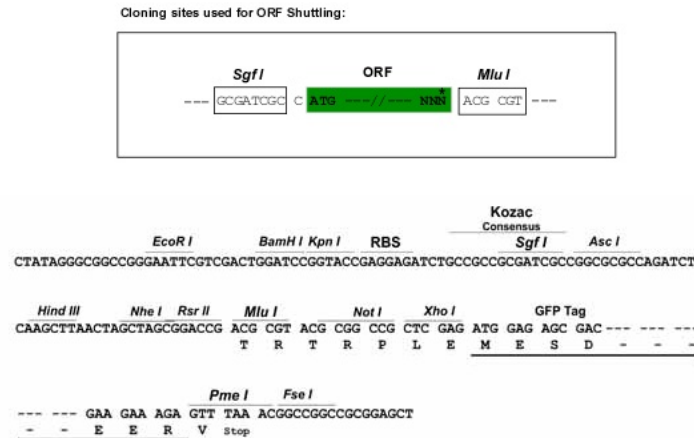
MSSGADGGGGAAYAARSDKGSPGEDGFVPSALGTREHWDVYERELQTFREYGDTEIWFGEESMNLIR
WMQKHKIPLDASVLDIGTGNGVFLVELAKFGFSNITGIDYSPSAIQLSGSIEKEGLSNIKLKVEDFLNL
STQLSGFHICIDKGTFDALSLNPDNAIEKRKQYVKSLSRVLKVKGFFSNNVM

TRTRPLE - GFP Tag - V

Restriction Sites:	Sgfl-MluI
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Cloning Scheme:



ACCN: NM_212554

ORF Size: 576 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_212554.1](#)

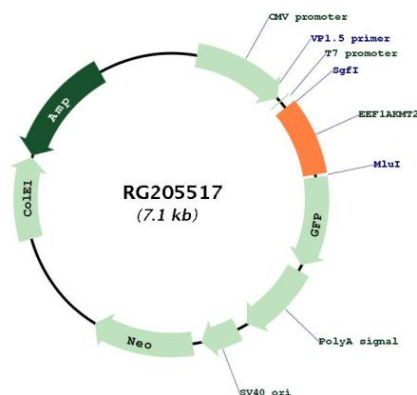
RefSeq Size: 2638 bp

RefSeq ORF: 876 bp

Locus ID: 399818

UniProt ID:	Q5JPI9
Cytogenetics:	10q26.13
Protein Families:	Druggable Genome
Gene Summary:	Protein-lysine methyltransferase that selectively catalyzes the trimethylation of EEF1A at 'Lys-318'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205517