

Product datasheet for **RG236459**

Methyltransferase like 6 (METTL6) (NM_001301792) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Methyltransferase like 6 (METTL6) (NM_001301792) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	METTL6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236459 representing NM_001301792. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTCTTTGCAAAGGAAAGGGCTGCAGGCAAGGATTCTCACCTCTGAAGAAGAGGAGAACTGAAA
AGAGACCAAACCTTGGTGTCTGATTTTAAACAGCAGAAATTTGGAACAAGAGGCTCAGAAAAATTGGGAT
CTTTTTTACAAAAGAAATAGCACTAATTTCTTCAAAGACAGACTGGACCACCAGAGAGTTTGAGGAG
CTAAGATCATGTAGAGAGTTTGAAGATCAAAGTTAACAATGCTTGAAGCTGGCTGTGGGGTTGGAAC
TGTTTATTTCCACTTTTGAAGAAGATCCGAATATCTTTCCTATGCCTGTGATTTTTCTCCAAGAGCC
ATTGAATATGTTAAGCAAATCCTTTATGATACAGAAAGTGAAGGATTCCAGTGTGATCTGACT
AAAGATGATCTTCTGGATCATGTACCGCCAGAGTCTGTGGATGTTGTTATGTTGATATTTGTGCTGTCA
GCTGTTTACCTGATAAGATGCACCTTGTCTTACAAAACATTTACAAGACTTCTGGCTCAGCTCTTTA
TGGACACAGGTTATGAAGAAGTGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236459
Blue=ORF Red=Cloning site Green=Tag(s)

```
MASLQRKGLQARILTSEEEEEKLRDQTLVSDFKQKLEQEAQKNWDLFYKRNSTNFFKDRHWTTREFEE
LRSCREFEDQKLTMLEAGCGVGNCLFPLLEEDPNIFAYACDFSPRAIEYVKQNPLYDTERCKVFQCDLT
KDDLLDHVPPESVDVVMLIFVLSAVHPDKMHLVLQNIYKTSWLSLWTQVMKKW
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

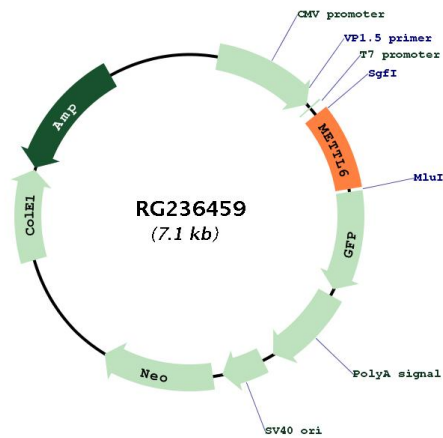


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001301792

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).
RefSeq:	NM_001301792.1 , NP_001288721.1
RefSeq Size:	2507 bp
RefSeq ORF:	579 bp
Locus ID:	131965
UniProt ID:	Q8TCB7
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome
Protein Pathways:	Androgen and estrogen metabolism, Histidine metabolism, Selenoamino acid metabolism, Tyrosine metabolism
MW:	23.2 kDa
Gene Summary:	Probable methyltransferase.[UniProtKB/Swiss-Prot Function]