

Product datasheet for **RC236837**

Methyltransferase like 6 (METTL6) (NM_001301790) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Methyltransferase like 6 (METTL6) (NM_001301790) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: METTL6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236837 representing NM_001301790
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCTTTGCAAAGGAAAGGGCTGCAGGCAAGGATTCTCACCTCTGAAGAAGAGGAGAACTGAAAA
 GAGACCAAACTTTGGTGTCTGATTTTAAACAGCAGAAAATTGGAACAAGAGGCTCAGAAAAATTTGGGATCT
 TTTTACAAAAGAAATAGCACTAATTTCTCAAAGACAGACTGGACCACAGAGAGTTTGAGGAGCTA
 AGATCATGTAGAGAGCAAATCCTTTATATGATACAGAAAAGATGCAAGGTATTCCAGTGTGATCTGACTA
 AAGATGATCTTCTGGATCATGTACCGCCAGAGTCTGTGGATGTTGTTATGTTGATATTTGTGCTGTCAGC
 TGTTTCCTGATAAGATGCACCTGTCTTACAAAACATTTACAAGGTATTAACCAGGCAAAAGTGTC
 TTGTTTCGTGACTACGGACTGTATGATCATGCCATGCTTAGGTTTAAAGCCAGCAGCAAACCTGGAGAAA
 ACTTTTATGTTAGACAAGATGGGACCAGATCATATTTTTTTACTGATGACTTCTGGCTCAGCTCTTTAT
 GGACACAGTTATGAAGAAGTGGTAAACGAGTATGTGTTTCGAGAGACGGTGAATAAAAAAGAAGGCCTG
 TGTGTCCAAGAGTTTTCTTCAGAGCAAATTTCTAAAGCCTCCTAAGAACCATCTCCTGTGGTCTGG
 GCCTGGATCCTAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236837 representing NM_001301790
 Red=Cloning site Green=Tags(s)

MASLQRKGLQARILTSEEEKLRDQTLVSDFKQKLEQEAQKNWDLFYKRNSTNFFKDRHWTTFEEL
 RSCREQNPLYDTERCKVFQCDLTKDDLHDHVPPEVDVVMLIFVLSAVHPDKMHLVLQNIYKVLKPGKSV
 LFRDYGLYDHAMLRFKASSKLGENTFYVRQDGRSYFFTDFFLAQLFMDTGVEEVVNEYVVFRETVNKKEGL
 CVPRVFLQSKFLKPPKNPSPVVLGLDPKS

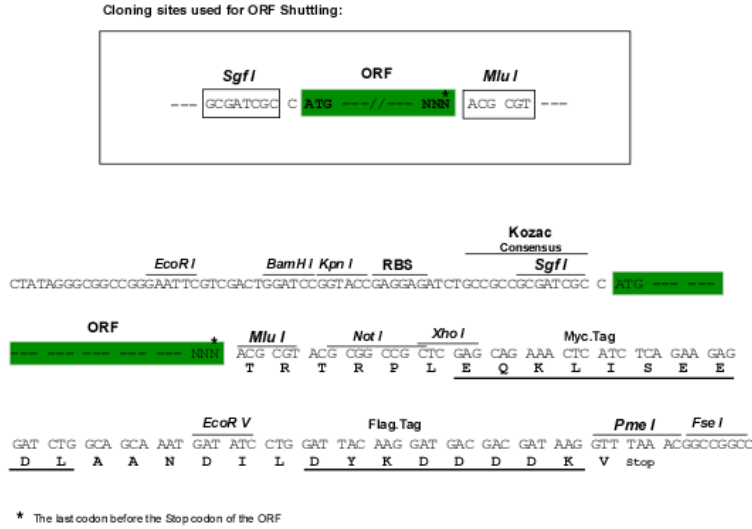
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



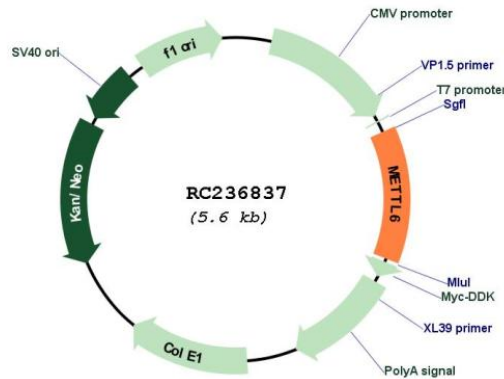
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001301790

ORF Size: 717 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:	<u>NM_001301790.1, NP_001288719.1</u>
RefSeq Size:	2486 bp
RefSeq ORF:	720 bp
Locus ID:	131965
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome
Protein Pathways:	Androgen and estrogen metabolism, Histidine metabolism, Selenoamino acid metabolism, Tyrosine metabolism
MW:	28.7 kDa
Gene Summary:	Probable methyltransferase.[UniProtKB/Swiss-Prot Function]