

Product datasheet for **RC236459**

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: Myc-DDK
Symbol: METTL6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236459 representing NM_001301792
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCTTTGCAAAGGAAAGGGCTGCAGGCAAGGATTCTCACCTCTGAAGAAGAGGAGAACTGAAAA
GAGACCAAACCTTTGGTGTCTGATTTTAAACAGCAGAAAATTGGAACAAGAGGCTCAGAAAAATGGGATCT
TTTTTACAAAAGAAATAGCACTAATTTCTCAAAGACAGACACTGGACCACAGAGAGTTGAGGAGCTA
AGATCATGTAGAGAGTTTGAAGATCAAAAGTTAAACAATGCTTGAAGCTGGCTGTGGGGTTGAAACTGTT
TATCCCACCTTTTAGAAGAAGATCCGAATATCTTGCCTATGCCTGTGATTTTTCTCCAAGGCCATTGA
ATATGTTAAGCAAATCCTTTATATGATACAGAAAGATGCAAGGTATTCCAGTGTGATCTGACTAAAGAT
GATCTTCTGGATCATGTACCGCCAGAGTCTGTGGATGTTGTTATGTTGATATTTGTGCTGCAGCTGTT
ATCCTGATAAGATGCACCTTGTCTTACAAAACATTTACAAGACTTCTGGCTCAGCTCTTTATGGACACA
GGTTATGAAGAAGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236459 representing NM_001301792
Red=Cloning site Green=Tags(s)

MASLQRKGLQARILTSEEEKLRDQTLVSDFKQQKLEQEAQKNWDLFYKRNSTNFFKDRHWTTRFEEL
RSCREFEDQKLTMLEAGCGVGNCLFPLLEEDPNIFAYACDFSPRAIEYVKQNPLYDTERCKVFQCDLTKD
DLLDHVPPESVDVVMLIFVL SAVHPDKMHLVLQNIYKTSWLSSLWTQVMKKW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

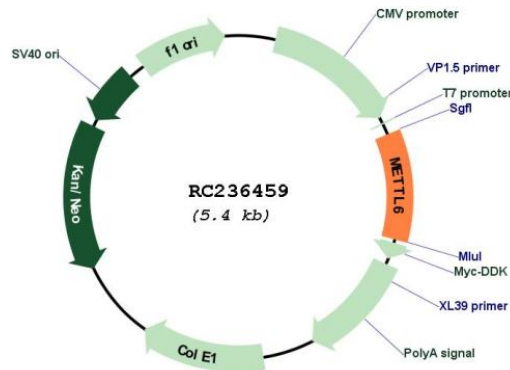


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Cloning Scheme:



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).
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_001301792.1, NP_001288721.1</u>
RefSeq Size:	2507 bp
RefSeq ORF:	579 bp
Locus ID:	131965
UniProt ID:	<u>Q8TCB7</u>
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]