

## Product datasheet for **RC236940**

### Methyltransferase like 6 (METTL6) (NM\_001301791) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Methyltransferase like 6 (METTL6) (NM\_001301791) 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:** >RC236940 representing NM\_001301791  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGCTTCTTTGCAAAGGAAAGGGCTGCAGGCAAGGATTCTCACCTCTGAAGAAGAGGAGAACTGAAAA  
 GAGACCAAACTTTGGTGTCTGATTTTAAACAGCAGAAAATTGGAACAAGAGGCTCAGAAAAATTTGGGATCT  
 TTTTACAAAAGAAATAGCACTAATTTCTCAAAGACAGACACTGGACCACAGAGAGTTTGAGGAGCTA  
 AGATCATGTAGAGAGTTTGAAGATCAAAAGTTAAACAATGCTTGAAGCTGGCTGTGGGTTGAAACTGTT  
 TATCCCCTTTTGAAGAAGATCCGAATATCTTGCCTATGCCTGTGATTTTTCTCAAGGCCATTGA  
 ATATGTTAAGCAAAATCCTTTATATGATACAGAAAGATGCAAGGATTCCAGTGTGATCTGACTAAAGAT  
 GATCTTCTGGATCATGTACCGCCAGAGTCTGTGGATGTTGTTATGTTGATATTTGTGCTGCAGCTGTT  
 ATCCTGATAAGATGCACCTTGTCTTACAAAACATTTACAAGTCCATGGCTGCTTTCAGAGCTTCGCCA  
 GCCCTGGGACAAGGATGATTTTGCAGTTACCTGGGATCCATGGAGTCTGCTATAAGGCTGCTTGGAGAA  
 GGCTTGCAGATGTGCACGAGACCCTGAAACAAGCCCTCTACTGCACAATATTTACCCAGCACCTGGAAG  
 GCACAGACCTGGCCCTGCCCTGAAGAGCTCACAAAGCCTTCTCTGGTGTGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236940 representing NM\_001301791  
Red=Cloning site Green=Tags(s)

MASLQRKGLQARILTSEEEEKLRDQTLVSDFKQKLEQEAQKNWDLFYKRNSTNFFKDRHWTTFEEL  
 RSCREFEDQKLTMLEAGCGVGNCLFPLLEEDPNIFAYACDFSPRAIEYVKQNPLOYDTERCKVFQCDLTKD  
 DLLDHVPPESVDVVMLIFVLSAVHPDKMHLVLQNIYKCHGCSSELRQPWDKDDFAVTDWDPWSPAIRLLGE  
 GLRHVHETLKQALYCTIFTQHLEGLDAPALEELTSLWLCQ

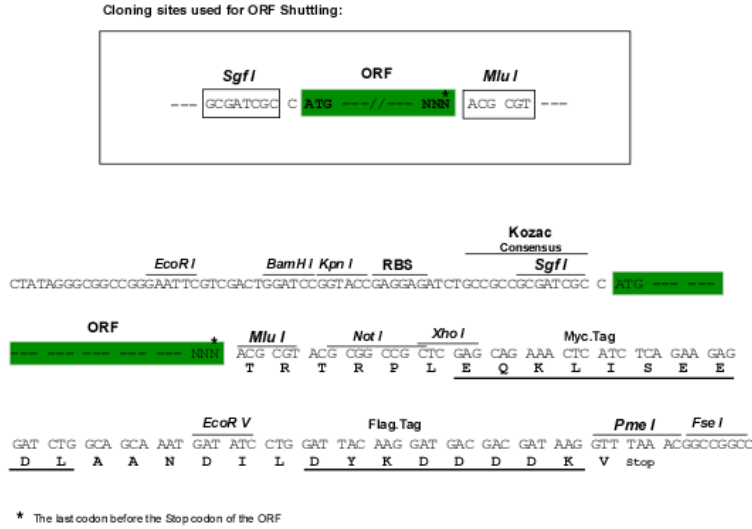
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV



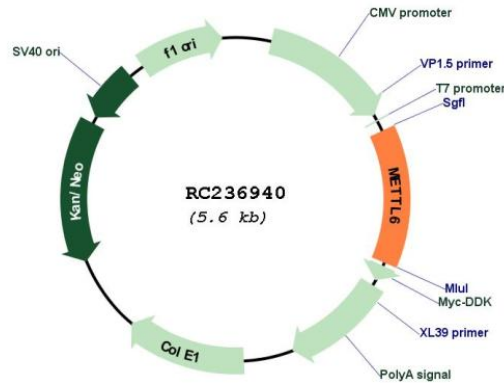
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001301791

ORF Size: 753 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001301791.1, NP_001288720.1</u>
<b>RefSeq Size:</b>	1179 bp
<b>RefSeq ORF:</b>	756 bp
<b>Locus ID:</b>	131965
<b>Cytogenetics:</b>	3p25.1
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Androgen and estrogen metabolism, Histidine metabolism, Selenoamino acid metabolism, Tyrosine metabolism
<b>MW:</b>	29.8 kDa
<b>Gene Summary:</b>	Probable methyltransferase.[UniProtKB/Swiss-Prot Function]