

Product datasheet for **RC201490**

Methyltransferase like 5 (METTL5) (NM_014168) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Methyltransferase like 5 (METTL5) (NM_014168) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Methyltransferase like 5
Synonyms:	HSPC133; MRT72
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201490 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAAGTAAGGCTTAAGGAACTAGAGAGTCGCCTGCAACAAGTGGATGGATTTGAAAAGCCCAAGC
TACTTCTGGAACAGTATCCTACCAGGCCGCACATTGCAGCATGTATGCTCTATAACAATCCATAACACTTA
TGATGACATTGAAAATAAAGTCGTTGCAGATCTAGGATGTGGTTGTGGAGTACTAGCATCGGAAGTCA
ATGTTAGGAGCAGGGTTGTGTGGATTGACATAGATGAAGACGCATTGAAAATTTAATAGGAATG
CAGAAGAGTTTGAGTTAACAAATATTGACATGGTTCAATGTGATGTGTGCTTATTATCTAACAGAATGTC
CAAGTCATTTCGATACAGTAATTATGAATCCTCCCTTTGGGACCAAAAATAATAAAGGGACAGATATGGCT
TTTCTAAAGACTGCTTTGAAATGGCAAGAACAGCAGTATATTCCTTACACAAATCCTCAACTAGAGAAC
ATGTTCAAAGAAAGCTGCAGAATGAAAATCAAGATAGATATTATAGCAGAACTTCGATATGACCTGCC
AGCATCATACAAGTTTCACAAAAGAAATCAGTGGACATTGAAGTGGACCTAATTCGGTTTTTCCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC201490 protein sequence Red=Cloning site Green=Tags(s)
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MKKVRLKELESRLQQVDGFEPKLLLEQYPTRPPIAACMLYTIHNTYDDIENKVVDLGCAGVLSIGTA
MLGAGLCVGFIDEDALEIFNRNAEEFELTNIDMVQCDVCLLSNRMSKSFDTVIMNPPFGTKNNKGTDMA
FLKTALEMARTAVYSLHKSSTREHVQKAAEWKIKIDIIAELRYDLPASYKFHKKKSVDIEVDLIRFSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

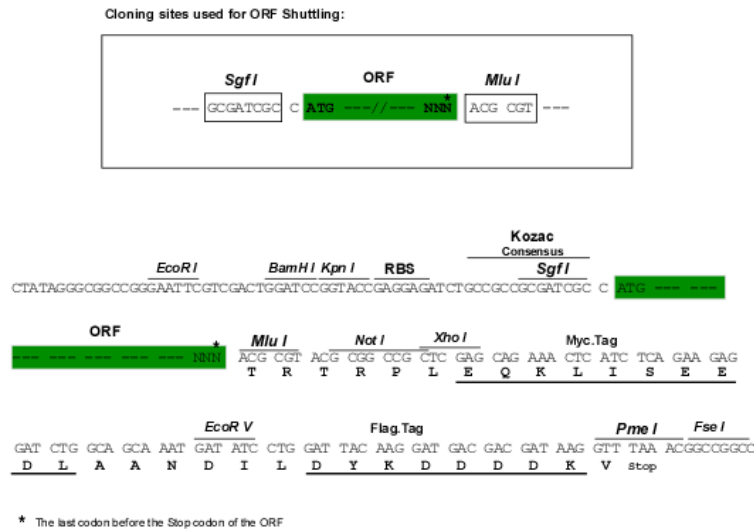


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Chromatograms: https://cdn.origene.com/chromatograms/mk6299_g11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014168

ORF Size: 627 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.

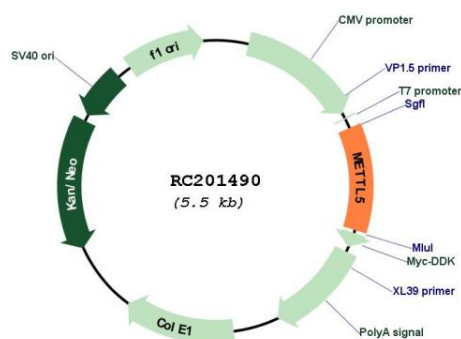
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014168.4](#)

RefSeq Size: 1040 bp

RefSeq ORF:	630 bp
Locus ID:	29081
UniProt ID:	Q9NRN9
Cytogenetics:	2q31.1
Protein Families:	Druggable Genome
MW:	23.7 kDa
Gene Summary:	Probable methyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC201490