

Product datasheet for **RG201490**

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:	TurboGFP
Symbol:	Methyltransferase like 5
Synonyms:	HSPC133; MRT72
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201490 representing NM_014168 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAAGTAAGGCTTAAGGAACTAGAGAGTCGCCTGCAACAAGTGGATGGATTTGAAAAGCCCAAGC
TACTTCTGGAACAGTATCCTACCAGGCCGCACATTGCAGCATGTATGCTCTATAACAATCCATAACACTTA
TGATGACATTGAAAATAAAGTCGTTGCAGATCTAGGATGTGGTTGTGGAGTACTTAGCATCGGAATGCA
ATGTTAGGAGCAGGGTTGTGTGGATTGACATAGATGAAGACGCATTGGAAATATTTAATAGGAATG
CAGAAGAGTTTGAGTTAACAAATATTGACATGGTTCAATGTGATGTGTGCTTATTATCTAACAGAATGTC
CAAGTCATTTCGATACAGTAATTATGAATCCTCCCTTTGGGACCAAAAATAATAAAGGGACAGATATGGCT
TTTCTAAAGACTGCTTTGGAAATGGCAAGAACAGCAGTATATTCCTTACACAAATCCTCAACTAGAGAAC
ATGTTCAAAGAAAGCTGCAGAATGGAAATCAAGATAGATATTATAGCAGAACTTCGATATGACCTGCC
AGCATCATACAAGTTTCACAAAAGAAATCAGTGGACATTGAAGTGGACCTAATTCGGTTTTTCCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG201490 representing NM_014168 Red=Cloning site Green=Tags(s)
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MKKVRLKELESRLQQVDGFEPKLLLEQYPTRPPIAACMLYTIHNTYDDIENKVVDLGC GCVLSIGTA
MLGAGLCVGFIDEDALEIFNRNAEEFELTNIDMVQCDVCLLSNRMSKSFDTVIMNPPFGTKNNKGTDMA
FLKTALEMARTAVYSLHKSSTREHVQKAAEWIKIDIIAELRYDLPASYKFHKKKSVDIEVDLIRFSF

TRTRPLE - GFP Tag - V

Restriction Sites:	Sgfl-MluI
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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: 956 bp

RefSeq ORF: 630 bp

Locus ID: 29081

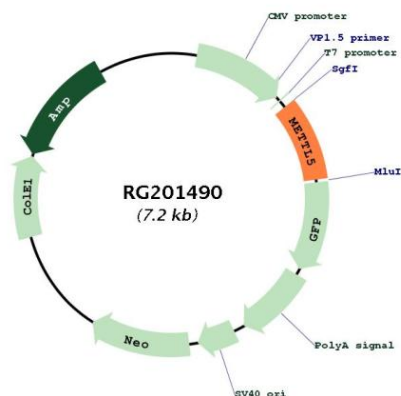
UniProt ID: [Q9NRN9](#)

Cytogenetics: 2q31.1

Protein Families: Druggable Genome

Gene Summary: Probable methyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201490