

Product datasheet for **RG215239**

METTL19 (TRMT44) (NM_152544) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METTL19 (TRMT44) (NM_152544) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	METTL19
Synonyms:	C4orf23; METTL19; TRM44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215239 representing NM_152544 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTATGGACCACAACTCAGTTAGAGGAAGATGCAATCACACCCAATGATAAGACCCCTTTCCCTGATG
 TTGATTGGTTAATCGGTAACCATCTGATGAACACACCATGGATACCTGTCATTGCAGCCAGGCTTTC
 CTACAATTGCCGCTTCTTTGTCTCCCTGCTGCTTCTTTGACTTCATTGGAAGATACTCCCGGAGGCAG
 AGTAAGAAGACTCAGTACCGGAATACCTTGACTTCATTAAAGAAGTGGGCTTCACCTGTGGTTTCACG
 TGGACGAAGACTGCCTCAGGATTCTTCAACAAAAGAGTCTGTCTCGTTGGAATCCAGAACATACCC
 TTCTCCAGAGAAAGCTTCCGTGGATGAAAAGAGGACTCAGTACATTAAGAGCAGGCGGGCTGCCCTGTA
 AGCCACCTGGCTGGGAGCTTTCCCTTCTCCACGCTGGGTTGCTGCTGGCAGTGTGGTCACTGTGACG
 GTCAGCAAGCTCTGGACGCCAGGTCGGGTGTGTAACAGGGCCTGGGCCGCTGAGCATGGAGCAGGGCC
 CCAGGCTGAAGGACCTGGCTACCTGGATTTCATCCAGAGAAAAGGCTGAGCGTGTGAGGAAGTGTGCC
 GCCCTGCCACGAGATTTATTGACCAAGTGTTTTGCAAGTAGCGAATTTACTGTTAGGTGGAAGCAAT
 TAAACACAAGAAGTTCTCGAAATGGGAGTTTGAAGACCTGGAATGGGGGAGAGAGCCTATCTCTGGCAGA
 AGTAGCCAACGAGCTGGACACGGAGACCCTGCGGAGGCTGAAGCGGGAGTGTGGGGCCTGCAGACGCTG
 CTCCGGAACAGCCACAGGTGTTCCAAGTTGTGAATGGGAGAGTTCACATCCGCGACTGGCGAGAGGAGA
 CACTGTGGAAGACAAAGCAACCGGAAGCGAAACAGAGACTGCTCTCTGAAGCCTGCAAAACCCGCTCTG
 CTGTTTCTTCATGCATACCCCTGATGGCTGCGCTCTGTCCACGGACTGCTGCCCGTTTGCCCATGGGCT
 GCGGAGCTGCGGCCACCCGACCACCCGAGGAAGAAGATTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG215239 representing NM_152544
 Red=Cloning site Green=Tags(s)

MYGPQTQLEEDAITPNDKTLFPDVDWLIGNHSDCLTPWIPVIAARSSYNCRFFVLPCFFDFIGRYSRRQ
 SKKTQYREYLDIFIKEVGFTCGFHVDEDCLRIPSTKRVC LVGKSRTYPSREASVDEKRTQYIKSRRGCPV
 SPPGWELSPSPRWYAAGSAGHCDGQALDARVGCVTRAWAAEHGAGPQAEGPWLPGFHPREKAERVNCA
 ALPRDFIDQVVLQVANLLLGKQLNTRSSRNGSLKTWNGGESLSLAEVANELDTETLRRLLKRECGGLQTL
 LRNSHQVFQVVGGRVHIRDWREETLWKTKQPEAKQRLLEACKTRLCWFFMHHPDGCALSTDCCPFAHGP
 AELRPRTTPRKKIS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_152544

ORF Size: 1095 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.

RefSeq: [NM_152544.1](#), [NP_689757.1](#)

RefSeq Size: 1851 bp

RefSeq ORF: 2274 bp

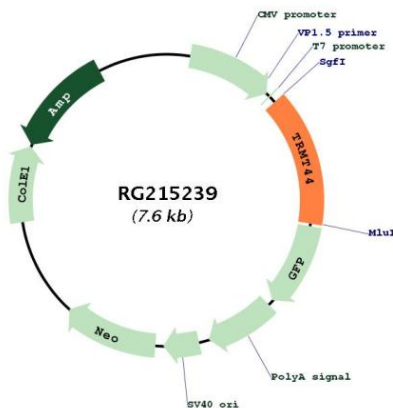
Locus ID: 152992

UniProt ID: [Q8IYL2](#)

Cytogenetics: 4p16.1

Gene Summary: The protein encoded by this gene is a putative tRNA methyltransferase found in the cytoplasm. Defects in this gene may be a cause of partial epilepsy with pericentral spikes (PEPS), but that has not been proven definitively. [provided by RefSeq, May 2012]

Product images:



Circular map for RG215239