

Product datasheet for **SC310489**

METTL19 (TRMT44) (NM_152544) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METTL19 (TRMT44) (NM_152544) Human Untagged Clone
Tag:	Tag Free
Symbol:	METTL19
Synonyms:	C4orf23; METTL19; TRM44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310489 representing NM_152544.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGAGGTGGGCCGTACCGGATCAGCTACCCAGGCGCGCTTCTCCACAGGGCTTCTGGGCTGCG
GTCTGAAGTGTGGCTGGAGAGGCCGAGGTGGCAAAACACGGCTTTCGCGCGCCCGCTGGAGGCCCGC
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CGGGGTCCGGGACCCGGCCAGGGTTCCCGCGAGGGGGCCCGGGTCCAGGTGCTATCAGGACCCGAG
CAGGGCACGGCATGTTGCGAACTTGAGGAGGCCAGGGCCAGTGCAGCAAGAGGAGGCACAGAGGGAA
GCCGCTCAGTGCCCTGAGGGACTCCGGGCACCCCGGCCATGCTGAAGGAAGGAGGGCGACTTCCCC
GCCGCAGATCTGGATTGCTTTGGGAGGATTTCTCCAAAGTCTCGCCCGTGGCAATTCGGAGTTGCTG
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ACCGTCATCCGAAAAGTACCCACATTGCCCTTACAACCTCCAGGAGGGAAATAGTCGTGCAAGAT
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AGCAATGTGTATCAAATTCAGCTCAGTCATAGCAAAGAAGATGGTTTATCTGTTTTAATTTTCTGT
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TGCCCTGTAAGCCACCTGGCTGGGAGCTTTCCCTTCTCCACGCTGGGTTGCTGCTGGCAGTGCTGGT
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GGCCTGCAGACGCTGCTCCGGAACAGCCACAGGTGTTCCAAGTTGTGAATGGGAGAGTTACATCCGC
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TGCAAAACCCGCTCTGCTGGTCTTTCATGCATCACCTGATGGCTGCGCTCTGTCCACGGACTGCTGC
CCGTTTGCCCATGGGCTGCGGAGCTGCGGCCACCCCGGACCACCCGAGGAAGAAGATTTCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI
ACCN: NM_152544
Insert Size: 2274 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_152544.2</u>
RefSeq Size:	2863 bp
RefSeq ORF:	2274 bp
Locus ID:	152992
UniProt ID:	<u>Q8IYL2</u>
Cytogenetics:	4p16.1
MW:	84.6 kDa
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] Transcript Variant: This variant (2) encodes the longer isoform (2).