

## Product datasheet for **RC215239**

### **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:	Myc-DDK
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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**ORF Nucleotide Sequence:**

>RC215239 representing NM\_152544  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGAGGTGGGCCGTACCGGGATCAGCTACCCAGGCGCGCTTCTCCACAGGGCTTCTGGGCTGCGG  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:** >RC215239 representing NM\_152544  
Red=Cloning site Green=Tags(s)

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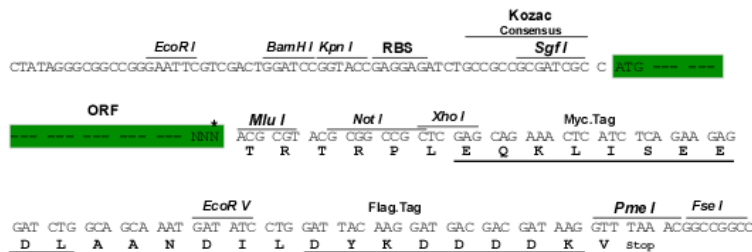
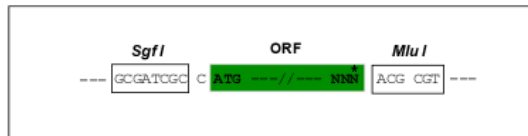
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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8027\\_a11.zip](https://cdn.origene.com/chromatograms/mk8027_a11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

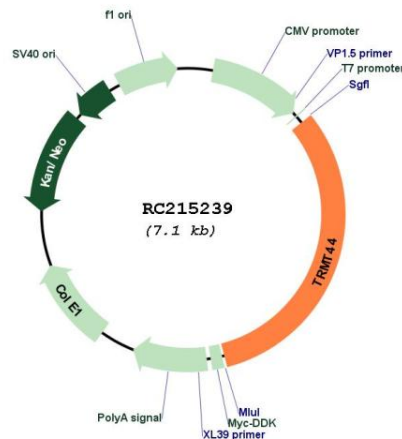
**ACCN:** NM\_152544

**ORF Size:** 2271 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><a href="#">NM_152544.3</a></u>
<b>RefSeq Size:</b>	1851 bp
<b>RefSeq ORF:</b>	2274 bp
<b>Locus ID:</b>	152992
<b>UniProt ID:</b>	<u><a href="#">Q8IYL2</a></u>
<b>Cytogenetics:</b>	4p16.1
<b>MW:</b>	41.1 kDa
<b>Gene Summary:</b>	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 RC215239