

Product datasheet for **SC301180**

KIAA0859 (METTL13) (NM_001007239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0859 (METTL13) (NM_001007239) Human Untagged Clone
Tag:	Tag Free
Symbol:	EEF1AKNMT
Synonyms:	5630401D24Rik; CGI-01; DFNB26; DFNB26M; DFNM1; feat; KIAA0859; METTL13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC301180 representing NM_001007239.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

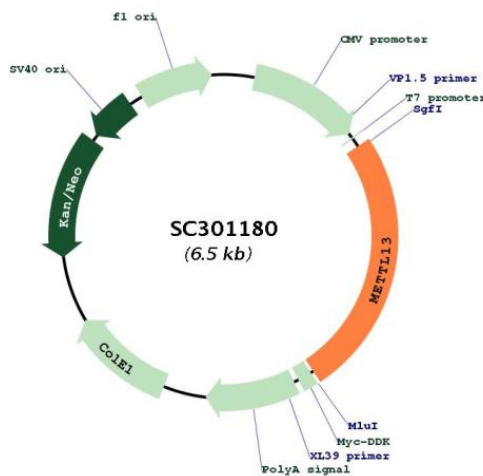
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:	NM_001007239
Insert Size:	1632 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:	<ol style="list-style-type: none">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_001007239.1</u>
RefSeq Size:	2953 bp
RefSeq ORF:	1632 bp
Locus ID:	51603
UniProt ID:	<u>Q8N6R0</u>
Cytogenetics:	1q24.3
Protein Families:	Druggable Genome
MW:	61.1 kDa
Gene Summary:	<p>Dual methyltransferase that catalyzes methylation of elongation factor 1-alpha (EEF1A1 and EEF1A2) at two different positions, and is therefore involved in the regulation of mRNA translation (PubMed:30612740, PubMed:30143613). Via its C-terminus, methylates EEF1A1 and EEF1A2 at the N-terminal residue 'Gly-2' (PubMed:30143613). Via its N-terminus dimethylates EEF1A1 and EEF1A2 at residue 'Lys-55' (PubMed:30612740, PubMed:30143613). Has no activity towards core histones H2A, H2B, H3 and H4 (PubMed:30612740). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an in-frame segment in the 5' coding region, as compared to variant 1. The encoded isoform 3 thus lacks an internal segment, as compared to isoform 1.</p>