

Product datasheet for **SC308650**

Methyltransferase like protein 10 (METTL10) (NM_212554) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Methyltransferase like protein 10 (METTL10) (NM_212554) Human Untagged Clone
Tag:	Tag Free
Symbol:	EEF1AKMT2
Synonyms:	C10orf138; Efm4; METTL10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308650 representing NM_212554. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGAGCTCGGGCGCTGACGGCGCGGTGGCGCTGCGGTGGCGGCGCGGTCCGACAAGGGCAGTCCC GGG
GAGGACGGTTTTCGTCCCCTCGGGCTGGGGACCCGCGAGCATTGGGATGCTGTCTATGAGAGAGAACTG
CAAAC TTTCCGAGAATATGGAGATACAGGTGAAATCTGGTTTGGAGAAGAGAGTATGAATCGACTAATA
AGGTGGATGCAGAAACACAAGATTCCACTGGATGCTTCAGTGCTTGATATTGGAAGTGGAAATGGTGT
TTCTCGTTGAACTTGCAAAATTTGGTTTCTCTAATATTACTGGAATTGATTACTCTCCTTCTGCAATT
CAGCTTTCTGGAAGTATTATAGAAAAGAAGGTTTATCTAACATTAAGTTAAAGGTAGAAGACTTTTTG
AATCTCTCCACACAGCTGTCTGGATTT CATATTTGTATTGACAAAAGGGACTTTTGATGCCATAAGCCTT
AATCCTGACAATGCAATTGAGAAGGAAGCAATATGTGAAATCTCTCTCCAGGGTGTGAAAGTAAAA
GGCTTTTTTCTAATAACGTCATGTAATTGGACCAAGGAAGAGTTGCTAAATGAATTCAGTGAAGTTGG
AGTACAGTGGCAGGATTTGGCTCACTGCAGCCTTGACTTCTGGGCTCAAGCGATCTTTTCCACTTCA
GCCTCCGAGTAGGTGGAACACAGGCACACATCATGCCTGGATAATTTTTGTATTTTTAGCAGAG
ACGAGTTTTGCCATGTTGTCCAGGCTGGTCTGGAACCTCTGGGCTCAAGTGATTCTCCACCTGGCCT
CCCAAAGTGCTGGGATTATACCATGCCAGGCCCTCGTTGGCATT TAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_212554
Insert Size:	876 bp



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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_212554.3</u>
RefSeq Size:	3683 bp
RefSeq ORF:	876 bp
Locus ID:	399818
UniProt ID:	<u>Q5JPI9</u>
Cytogenetics:	10q26.13
Protein Families:	Druggable Genome
MW:	31.8 kDa
Gene Summary:	<p>Protein-lysine methyltransferase that selectively catalyzes the trimethylation of EEF1A at 'Lys-318'. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>