

## Product datasheet for **SC107329**

### **METTL2A (NM\_181725) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	METTL2A (NM_181725) Human Untagged Clone
Tag:	Tag Free
Symbol:	METTL2A
Synonyms:	METTL2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181725, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGGCTCCTACCTGAAGGTGCACCTGCAGTCCTCGCCGATAAGAGGCAGCAGTTCGGAAGCCGGT
TCCTGAGAGATCCGGCGCGCGTCTTCCACCACAATGCCTGGGACAATGTGGAGTGGTCGGAAGAGCAAGC
CGCGGGCGCGGAGAGAAAAGTCCAGGAGAACAGTATCCAGCGGGTGTGCCAGGAGAAACAAGTTGATTAT
GAGATCAATGCCACAAATACTGGAATGACTTCTACAAAATCCACGAAAATGGGTTTTTCAAGGATAGAC
ATTGGCTTTTTACCGAATTCCTGAGCTGGCACCTAGCCAAAATCAAAATCATTTGAAGGACTGGTTCTT
GGAGAACAAGAGTGAAGTACCTGAATGTAGAAACAATGAGGATGGACCTGGTTAATAATGGAAGAACAG
CACAAGTGTCTTCAAAGAGCCTTGAACATAAAACACAGACACTTCTGTGGAGGAGAATGTAACCTCAGA
AAATTAGTGACCTGGAATTTGTGCTGATGAGTTTCTGGATCCTCAGCCACCTACCGAATACTGGAGGT
TGGCTGTGGTGTGGGAAACACAGTCTTTCCAATTTACAAACGAACAATGACCCAGGACTCTTTGTTTTAT
TGCTGTGATTTTTCTCCACAGCTATAGAAGTGGTCCAGACAAATTCAGAATATGATCCTTCTCGGTGTT
TTGCCTTTGTTCCAGACCTGTGTGATGAAGAGAAGAGTTACCCAGTGCCCAAGGGCAGTCTTGATATTAT
CATTCTCATATTTGTTCTTTCCAGCAATTGTTCCAGACAAGATGCAGAAGGCTATCAACAGGCTGAGCAGG
CTTCTGAAACCTGGCGGGATGATGCTTCTGCGAGATTACGCGCGCTATGACATGGCTCAGCTTCGGTTTA
AAAAAGGTCAGTGTCTATCTGGAATTTCTACGTGAGAGGTGATGGAACCAAGAGTTTACTTCTTCACACA
AGAGGAACTGGACACGCTTTTCCACTGCTGGACTGGAAAAAGTTCAGAACCTGGTGGATCGCCGACTG
CAGGTGAACCGAGGAAAGCAACTGACAATGTACCGGGTTTGGATTGATGCAAACTACTGCAAGCCCTTC
TGTCCAGCACCAGCTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_181725 unedited GTCCAGTCATATTTGTNAATACGTATTTCACTCATAGGGCGGCCGCGNAATTCGCACGAGC CTGAAGTGCACCTGCAATCCTCGCCGATAAGAGGCAGCAGTTTCGGAAAGCCGGTTCCTGAG CGATCCGGCGCGCGTCTTCCACCACAATGCCTGTTGATTATGATATCAATGCCACAAAT ACTGGAATGACTTCTACAAAATCCACGAAAATGGGTTTTTCAAGGATAGACATTGGCTTT TTACCGAATTCCTGAGCTGGCACCTATCCAAAATCAAATCATTGAAGATTGGTTCT TGGAGAACAAGAGTGAAGTATGTGAATGTAGAAACAATGAGGATGGACCTGGTTTAATAA TGGAAGAACAGCACAAAGTGTCTTTCGAAGAGCCTTGAACATAAAACACAGACACCTCCTG TGGAGGAGAATGTAACATATAAAATTAGTGACCTGAAAATTTGTGCTGATGAGTTTCCTG GATCCTCAGCCACCTACCGAATACTGGAGTTGGCTGTGGTGTGGGAAACACAGTCTTTC CAATTTTACAAACGAACAATGACCCAGGACTCTTTGTTTATTGCTGTGATTTTTCTTCCA CAGCTATAGAAGTGGTCCAGACAAATTCAGAATATGATCCTTCTCGGTGTTTTGCCTTG TTCACGACCTGTGTGATGAAGAGAAAGTACCCAGTGCCCAAGGGCAGTCTTGATATTAT CATTCTCATATTTGTTCTTTCAGCAATTGTTCCAGACAAGATGCAGATAGCTATCAACAG GCTGAGCAGGCTTCTGAACTGGAGAGATGGTACTTCTGCGAGATACAGNCGCTATGAC ATGGCTCANCTTCAAGTTTAAAAAGGNCAGTGTCTATCTGGAAATTTCTATGTGAGAAGT GATGGAACCCAGAGTTACTTTCTCACACAGAAGAACTGGACACGCTTTTCACACTGCTGA CTGNNAAAAGTCAAATCTGTGGGACCGCACTGCAGTGAACCGAGGAATCACTGCATT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_181725
<b>OTI Disclaimer:</b>	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).
<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_181725.2</a></u> , <u><a href="#">NP_859076.2</a></u>
<b>RefSeq Size:</b>	2519 bp
<b>RefSeq ORF:</b>	729 bp
<b>Locus ID:</b>	339175
<b>UniProt ID:</b>	<u><a href="#">Q96I76</a></u>
<b>Cytogenetics:</b>	17q23.2
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	Probable S-adenosyl-L-methionine-dependent methyltransferase that mediates 3-methylcytidine modification of some tRNAs.[UniProtKB/Swiss-Prot Function]