

## Product datasheet for **SC305072**

### **METTL1 (NM\_023033) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	METTL1 (NM_023033) Human Untagged Clone
Tag:	Tag Free
Symbol:	METTL1
Synonyms:	C12orf1; TRM8; TRMT8; YDL201w
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305072 representing NM_023033. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGCCGAGACTCGGAACGTGGCCGGAGCAGAGGCCACC GCCCCAGAAGCGCTACTACCGCAA
CGTGCTCACTCCAACCCATGGCGGACCACACGCTGCGCTACCCTGTGAAGCCAGAGGAGATGGACTGG
TCTGAGCTATACCCAGAGTTCTTCGCTCCACTCACTCAAATCAGAGCCACGATGACCCAAAGGATAAG
AAAGAAAAGAGAGCTCAGGCCAAAGTGGAGTTTGACACATAGGCTGTGGCTATGGTGGCCTGTTAGCT
GACAAAGATGTTCTTCTTCCCGACCCACATTTCAAGCGGACAAAGCACAAGTGCGAATCATCAG
TCCCACCCTGCTAGCAGAATATGCCTACGTGCTAAGAGTTGGGGGCTGGTGTATACCATAACCGATGT
GCTGGAGCTACACGACTGGATGTGCACTCATTTGAAGAGCACCCACTGTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_023033
Insert Size:	468 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).



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<b>OTI Annotation:</b>	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.
<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>	<a href="#">NM_023033.3</a>
<b>RefSeq Size:</b>	1126 bp
<b>RefSeq ORF:</b>	468 bp
<b>Locus ID:</b>	4234
<b>UniProt ID:</b>	<a href="#">Q9UBP6</a>
<b>Cytogenetics:</b>	12q14.1
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	17.4 kDa
<b>Gene Summary:</b>	<p>This gene is similar in sequence to the <i>S. cerevisiae</i> YDL201w gene. The gene product contains a conserved S-adenosylmethionine-binding motif and is inactivated by phosphorylation. Alternative splice variants encoding different protein isoforms have been described for this gene. A pseudogene has been identified on chromosome X. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) lacks an alternate segment, compared to variant 1, that causes a frameshift. The resulting protein (isoform c) has a shorter and distinct C-terminus, compared to isoform 1.</p>