

Product datasheet for **SC114501**

METTL9 (NM_016025) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METTL9 (NM_016025) Human Untagged Clone
Tag:	Tag Free
Symbol:	METTL9
Synonyms:	CGI-81; DREV; DREV1; PAP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016025, the custom clone sequence may differ by one or more nucleotides

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ATGAGACTGCTGGCGGGCTGGCTGTGCCTGAGCCTGGCGTCCGTGTGGCTGGCGCGGAGGATGTGGACGC
TGGCGAGCCCGCTCACCCGCTCCCTGTACGTGAACATGACTAGCGGCCCGGGTGGCCGCGCGGCCCGC
GGGCGGCAGGAAGGAGAACCACCAGTGGTATGTGTGCAACAGAGAGAAATTATGCGAATCACTCCAGGCT
GTCTTTGTTTACAGAGTTACCTTGATCAAGGAACACAGATCTTCTTAAACAACAGCATTGAGAAATCGGGCT
GGCTATTTATCCAATTATCATTCTTTGTGTCATCTGTTTTAGCCTGTTTATGTCTAGAACATCTAT
CAATGGGTTGCTAGGAAGAGGCTCAATGTTTGTGTTTTACCAGATCAGTTTCAGAGACTGCTTAAATTT
AATCCAGACTGGAAAACCCACAGACTTCTTGATTTAGGTGCTGGAGATGGAGAAGTCACAAAAATCATGA
GCCCTCATTTTGAAGAAATCTATGCCACTGAGCTTCTGAAACTATGATATGGCAGCTTCAGAAAAAGAA
ATACAGAGTCCTTGGTATAAATGAATGGCAGAATACGGGGTTCAGTATGATGTCATCAGCTGCCTGAAC
TTGCTGGACCGCTGTGATCAGCCCCTGACTTTGTAAAAGATATCAGAAGTGTCTTGGAGCCAACACTAGAG
GCAGGGTCATCCTTGCCCTTGTCTCCCTTTCATCCCTATGTGGAAAACGTAGGTGGCAAGTGGGAGAA
ACCATCAGAAATTTTGGAAATCAAAGGACAGAAGTGGGAAGAACAAGTGAATAGTCTGCCTGAAGTTTTT
AGAAAAGCTGGTTTTGTATCGAAGCTTTCACCAGACTACCATACCTGTGTGAAGGCGACATGTATAATG
ACTACTACGTTCTGGATGACGCTGTCTTTGTTCTCAAACCAAGTATAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016025 unedited
 GGTGTTCAAATTTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGGCCTGGC
 GTCCGTGTGGCTGGCGCGNGAGATGTGGACGCTGCGGAGCCCGCTCACCCGCTCCCTGTA
 CGTGAACATGACTAGCGGCCCGGGTGGGCCGGCGGCCGCGGGCGGCAGGAAGGAGAA
 CCACCAGTGGTATGTGTGCAACAGAGAGAAATTATGCGAATCACTCCAGGCTGTCTTTGT
 TCAGAGTTACCTTGATCAAGGAACACAGATCTTCTTAAACAACAGCATTGAGAAATCGGG
 CTGGCTATTTATCCAATTATATCATTCTTTTGTGTCATCTGTTTTTAGCCTGTTTTATGTC
 TAGAACATCTATCAATGGTTGCTAGGAAGAGGCTCAATGTTTGTGTTTTACCAGATCA
 GTTTCAGAGACTGCTTAAATTAATCCAGACTGGAAAACCCACAGACTTCTTGATTTAGG
 TGCTGGAGATGGAGAAGTCACAAAAATCATGAGCCCTCATTGGAAGAAATCTATGCCAC
 TGAGCTTTCTGAAACTATGATATGGCAGCTTCAGAAAAAGAAATACAGAGTCCTTGGTAT
 AAATGAATGGCAGAATACGGGGTCCAGTATGATGTCATCAGCTGCCTGAACTTGCTGGA
 CCGCTGTGATCAGCCCTGACTTTGTTAAAAGATATCAGAAGTGTCTGGAGCCAACTAG
 AGGCAGGGTCATCTTGCCTTGTCTCCCTTTTCATCCCTATGTGAAAAACGGGTGGCA
 GTNGAGAAACCATCAGANATTTTGGAAATCAAGGACAGAACTGGNGAGAACAGTGAATA
 GTCTGCCTGAAGTTTTAGAAAAGCTGGNTTTTGTATCGAAGCTTTCACAGACTACATAC
 CTGTGTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016025 unedited
 ACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAATCCTCAAAAAGTTTATTAGCAT
 GATTA AAAACATTTTCTGAATAATAACAGAAAGATTTCTAAACATGAAAGAATATCAG
 TGGCTATACCTTAAAACAGTATTTGGAATTGAATGGACAGCTTTATTGCCAGTCTTCAA
 AAAACAATCCATTGATTGGTTCCATGAAGTCGTGACTATTGCTTTGTCTGGGAATGAGTC
 CCTACTGCAATTAAGTATAAAAAATATCTTCCATCATAATTGGAGTGTGACCTGCATTGG
 AGAGTGGCTCTGAGTAAAGAGTTGATAAAAAATCCACAAAGAGTTGGGTTTTGTCTTTTA
 AAAACATTCCTTACACACTACAAAGAAATAATTAGTATTTTGGCTTTTTAAATTCCTAC
 ATGATATTTAGAATGGCGGTCCCAAGGGTCTCCCTTCACGTAATTGTGAACACAGACC
 CTCTTCAAGGGCACATCCCGGAGGGTGCAGACTCTGAAGACTTCGACCTCCACGTGTTT
 ATACTGGTTTGAAGACAAAGACAGCGTCATCCAGAACGTAGTAGTCATTATACATGTCGC
 CTTCCACAGGTATGGTAGTCTGGTGAAGCTTCCATAACAAAACAGCTTTTCTGAAAAC
 TTCAAGCAGACTATTCATTGTTCTTCCAGTTCTGTCTTTGATTCCAAATTTCTGATG
 GTTCTCCCACTGGCCACCGTTTTTACATAGGGATGAAAGNGAGACANGGCCAGGATGA
 CCCTGCCTCTANNTAGCTCCAAGACACTTCTGATATCTNNTAAACAATCAAGGGCTGATCA
 CAGCGTCCANCAGGTCAAGCAGCTGATGACATATACTGGAACCCCGTTTTTGGCATTTCAT
 TATACCAAGACTCTTGATTCTTTTCTGAGCGGCATATCTANTTCAAAGCCAGTGGCATA
 ATNCTCAATGAGGCCTAGATTTGGGACTCCCATCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_016025

Insert Size:

1500 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).

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_016025.2</u> , <u>NP_057109.2</u>
RefSeq Size:	3267 bp
RefSeq ORF:	3267 bp
Locus ID:	51108
UniProt ID:	<u>Q9H1A3</u>
Cytogenetics:	16p12.2
Domains:	DREV
Gene Summary:	<p>Protein-histidine N-methyltransferase that specifically catalyzes 1-methylhistidine (pro-methylhistidine) methylation of target proteins (PubMed:33563959). Mediates methylation of proteins with a His-x-His (HxH) motif (where 'x' is preferably a small amino acid) (PubMed:33563959). Catalyzes methylation of target proteins such as S100A9, NDUFB3, SLC39A5, SLC39A7, ARMC6 and DNAJB12; 1-methylhistidine modification may affect the binding of zinc and other metals to its target proteins (PubMed:33563959). Constitutes the main methyltransferase for the 1-methylhistidine modification in cell (PubMed:33563959). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>