

Product datasheet for **SC112181**

METTL21D (VCPKMT) (NM_024558) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METTL21D (VCPKMT) (NM_024558) Human Untagged Clone
Tag:	Tag Free
Symbol:	METTL21D
Synonyms:	C14orf138; METTL21D; VCP-KMT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024558, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGATACGCTGGAGTCCTCGCTGGAGGACCCACTGCGGAGCTTTGTGCGAGTTTTGGAGAAGCGGG
ATGGTACAGTGCTACGACTACAGCAGTATAGCTCCGGTGGCGTGGGTTGCGTTGTGTGGGACGCTGCCAT
TGTCTTTCTAAATACCTGGAACGCCGAGTTTTCTGGCGACGGGGCCACGCGCTGAGCCGGCGGTGCG
GTGCTGGAGCTGGGTTCCGGCACCGGGCCGTGGGGCTCATGGCTGTACCCTCGGGCTGATGTTGTAG
TCACCGATCTTGAGGAATTGCAAGACTTGCTGAAGATGAATTAATATGAACAAGCATCTTGCTACTGG
TTCTGTCCAAGCCAAGGTACTGAAATGGGGGAAGAAATAGAAGGCTTTCCTTCTCCACCCGACTTCATA
CTGATGGCCGACTGCATATACTATGAAGAGTCTTTGGAGCCATTGCTGAAAACCTAAAAGATATCAGCG
GATTTGAAACTTGATTATATGTTGTTATGAACAACGAACAATGGGGAAAAATCCAGAAATTGAGAAAAA
ATATTTTGAGCTCCTTCAGCTAGATTTTGACTTTGAAAAAATTCCTTTGGAAAAACATGATGAAGAGTAT
CGAAGTGAAGATATTCATATTATACATCAGAAAGAAAAAATCGAAATTTCCATCGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024558 unedited TTCAGNCATATTTGTNAATACGCACNCACTATAGNNGGCGGCCGCAATTCGGCACGAG GGCGCAATGGCGGATACGCTGGAGTCTCGCTGGAGGACCACTGCGGAGCTTTGTGCGA GTTTTGGAGAAGCGGGATGGTACAGTGCTACGACTACAGCAGTATAGCTCCGGTGGCGTG GGTTGCGTTGTGCGGGACGCTGCCATTGCCTTTCTAAATACCTGAAACGCCGAGTTT TCTGGCGACGGGGCCACGCGCTGAGCCGGCGGTGGTGTGGAGCTGGGTTTCGGGCACC GGGGCCGTGGGGCTCATGGCTGCTACCCTCGGGGCTGATGTTGTAGTCACCGATCTTGAG GAATTGCAAGACTTGTGAAGATGAATATTAATATGAACAAGCCTTTCGCACTGGCTCT GTTCAAGCCAACGGGGAACAAATAGAAGGCTTTCCTTCTCCACCCGACTTCATACTGAT GGCCGACTGCATATAACTATGAAGAGAAATTCATCGTGAAGCCTTAAATCATCTTACCC CAGGTTCTAACAACTGGGTAACTAAAGATGTGAATTGAGCATGTGACATCCCCATGGC AAGATTGCGTTCACAGATCTTTTTTCCCGCACGGTCTTAGAGATCCGATGTATAAATGA TGACCCCCAGGTGCTGTTGCCATACGAAAAAATCCCGCTCGGCTGCCCGGCTGCCA ATGGGCCCTGAATCCCACCTAAGGTTACCTTCTCCCAACCTAAGGTTCTTCCCTAATG GTGCGGAATTCACCTTCTCCAAATAGAAATCGGGCTTTGGCGGCAAGCTTGAAATCTTG CCAAAAACACGCCACCATGATTTGGATTGGGCCCTTTTACCGGTAATCTAACGAACAAA TTTCTGCAGCAAAACATTCCGGTTATGTCCATTCCGGTTCCAAATCCCAATCCCTCAAC CT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_024558 unedited AATCTAGAATCGAGTTCAGGTCTCAAAA ACAATGTTTATTTTAAACACATAAAATGTCCATTTAGCACCAATGCCTGTAATACCAAA ATTCCATCCGGTTACTACTTTTTGGAACAAGTATGATTAAGTCTTGACAGATTATTGT ATATGAGCGAATGGCTTCTTACCTTAAACAGAGAGACCCAGAACAGAATTCATTTGGT ATATACATATAAACTACTTTTTGTAGTTATTCAAAAACCTTTCACCTGCTTCATGTAACA ATACCAGTTTTTTAAGCCAAATTTTCTGGAACATATACATAAAGTGCATGACCCACGT AAGTGCATAAGCCTGAAACTGGTCTTTCTATTCTCACTCCATGCTCAAATGAAAAATCTG TAAAGATATCTTTGTTCTCCAATCTTCTGATTTGTCTTCTTAGCAACTCATTACAGTA CAATTTACTGATTAATCACATAGACATGTATGGTGGAGGAAAAGAAAACCTTTGGCCAAT ATAAGTATACAAGACAATATCTCAGTTCTTTTTAAAATTTAAAAGAACATTTTCAGTATTAA AGATATTTTAAAAGAAATGAAGTGGAAAATACAATGATAAATTTGTATAAATTATGTAC AAAATGAAAACCTTTTAACTCTGAAGACAAAATAAAATTTACTAGTTTGAAATTTAAAC ATTATTTATANTAGCAGATAGTTCTCTTTCAGAAATATCTCTAGCTTCTGTAAGGTC GTCAAATCTGTTGGGCTGTTTTGCANATTCAGCCTCGCTCATACCATTTTATTTGAATAC TGATTCCACATTAAGAAGACTTGTGCTGACTAAGTACTAACTGATCAGGCCATTGCAGCA GCAGCANCAGAATTTTCTTGCAACGCCCTGGGGCATATTATCTCGATCTTAAGACTGCGA AAAATCTGGAACATTTCTGCTGTAC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_024558
Insert Size:	1560 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:

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: [NM_024558.1](#), [NP_078834.1](#)

RefSeq Size: 1784 bp

RefSeq ORF: 435 bp

Locus ID: 79609

UniProt ID: [Q9H867](#)

Cytogenetics: 14q21.3

Gene Summary: Protein-lysine N-methyltransferase that specifically trimethylates 'Lys-315' of VCP/p97; this modification may decrease VCP ATPase activity.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (A).