

Product datasheet for **SC100772**

METT5D1 (METTL15) (NM_152636) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METT5D1 (METTL15) (NM_152636) Human Untagged Clone
Tag:	Tag Free
Symbol:	METT5D1
Synonyms:	METT5D1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_152636 edited <pre> ATGCTTCGGTATCCATATTTTTGTAGAATGTATAAAGAATGCCTTTCATGTTGGTTGGAA TCTGGCATACCTAATTTAGGTGTCTGGCCAAAAGAATACATACTACAGCAGAAAAATAT AGAGAATATGAAGCCCGGAGCAAAACAGATCAAACCTCAAGCCCAGGAGTTACACAGATCT CAAGATAGAGATTTTGAACTATGGCTAAATTACATATTCCAGTAATGGTGGATGAAGTT GTTCAATTGTTTGTACCACAAAAAGGACAGATTTTCTAGATATGACATTTGGTTCGGGA GGGCACACAAAAGCCATTCTGCAGAAGGAGTCAGATATTGTTCTCTATGCCTTGGACAGA GACCCAACAGCTTATGCATTAGCTGAACATCTTTCAGAGTTGTATCCTAAACAAATCCGA GCTATGCTGGGCCAGTTCAGCCAGGCAGAAGCCTTATTAATGAAAGCTGGAGTGCAGCCA GGAACTTTGTGAGGATCTTATGGATCTTGGGTGTTCCCTCCATGCAACTTGATACTCCT GAAAGAGGTTTTCCCTTCGGAAGATGGCCCTTTGGACATGAGAATGGATGGTGGCAGG TACCCTGACATGCCCACTGCTGCTGATGTTGTGAATGCTTTAGATCAACAGGCACTTGCA TCTATCCTAAGAACATACGGGGAGGAGAAGCATGCCAAGAAAATCGCTTCAGCAATTGTT CAGGCACGCAGCATCTACCCCATCACCAGAACCAGCAGCTTGCCAGCATCGTTGCAGGA GCATTTCTCCCTCTGCTATTTATACACGGAAAGACTTACTACAGCGATCTACCCATATT GCCACCAAGACTTTCAGGCTCTTCGCATATTTGTGAACAATGAGCTCAATGAACTCTAC ACGGGACTGAAGACAGCTCAGAAGTTTCTGAGACCTGGTGGTCGTCCTTGTGCCCCTCTCC TTCCATTCACTAGAGGATCGCATCGTCAAAAGATTTTGTGTTGGAATAAGCATGACAGAA AGATTTAACCTAAGTGTTAGACAACAAGTGATGAAAACATCTCATTGGTTCAGATCACGA AACACGAGAGTCTCTTGA </pre>


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152636 unedited
TATTACCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAG
CAGAGCTCATTTAGGTGACACTATAGAATAACAAGCTACTTGTCTTTTGCAGCGGCCGC
GAATTCGGCAGCAGAGGCGCATTACAGGTTCTCCTGGACCGTAGTGGTAGTCGCTGGCCCGAG
TTAGAGGCCAGCTGAGAAGTCTTCGTGCTTCAGATTTGTTTACCTACAAAATGCTTCGGT
ATCCATATTTTGTAGAATGTATAAAGAATGCCTTTCATGTTGGTTGGAATCTGGCATAC
CTAATTTAGGTGTCTGGCCAAAAAGAATACATACTACAGCAGAAAAATATAGAGAATATG
AAGCCCGGGAGCAAACAGATCAAACCTCAAGCCCAGGAGTTACACAGATCTCAAGATAGAG
ATTTTGAAACTATGGCTAAATTACATATTCCAGTAATGGTGGATGAAGTTGTTTCATTGTT
TGTCACCACAAAAAGGACAGATTTTCTAGATATGACATTTGGTTCGGGAGGGCACACAA
AAGCCATTCTGCAGAAGGAGTCAGATATTGTTCTCTATGCCTTGGACAGAGACCCAAACAG
CTTATGCATTAGCTGAACATCTTCAGAGTTGTATCCTAAACAAATCCGAGCTATGCTGG
GCCAGTTCAGCCAGGCAGAAGCCTTATTAATGAAAGCTGGAGTGCAGCCAGGAACTTTGG
ATGGAGTTCCTTATGGATCTTGGGTGTTCTCCCATGCACTTGATACTCCTGAAAGAAGTT
NTTCCCTTCGNAAGATGGCCCTTTTACATGAGAATGGATGGTGGCANGTACCCTGACA
TGCCCACTGCTGCTNGATGTGTGAATGCTNTANATCAACAGCACTTGATCTTCCTAGAA
ACATACGGGGAGGGAGAGCATGCCCAGAAATCGCTTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_152636 unedited
TTTNNCGTTTAACTCTGNACCGCGCCGATTCTANGATCGATTTTTTTTTTTTTTTTTTTT
TTTTTTTTTAGAGATTCAGAAACATTTTATTAGAAAAAGTAATGCGCATTATAGTAACA
TTAGCTTTTATTTCTGTGTAAGTGTAGGAATTCCTCAAAACCATTCCTCAAGCTAACCAT
TTAAACTCATTCATGTATTTTATTATGCATCCTACAACAAAGACTAAGAAGCAGGCAAG
AATTACTATAAAACACAATCTAATTACAGAAAAGTTAATTTATTTTACATGAAAACATT
TTGAAACCAATTTTGTGTTTATTGAAGGATTTTCTCATGCATATTATCCAAGATTTTTT
TCTGTCAGAGTATTAGCTTCCTAGGATTGCTGTAACAAATTACCATGAACTGGGTACCTT
AAACAGCAGAAATACATTCTCACTGTTCTGGATGCTAGATGTGCAAAACCATGTTAGCA
GGGTGGCAACTACTGGAATCTGAGGGAGAATCTATTCCATGCTTTTTTCTATCTTCT
GAGGGTCCCAATGTATCACTCCAATCTCTGCCTCCAGCTTCATGTGGCATTCTCCCC
TGTGCTCTATCTTCTCTTTCTCCCTTTTTTTTTTTTTTTTTTGGAGACAGAGTCTCGTT
CTGTTGCTCAGCTGGAGTGCAGTGGTGTGATCTCGCAACCTCCACCTCCCAAGTTCGAG
TGATTCCTGTGCCTCAGACTCCTGGGTAGCTGACATTACAAGCACCACGATGGCTAATT
TTATTTTGTAGTAGAGATGGGGTTTCNCCCGGTTTGGCCAGGCTGTTCTTGAAGTCTCT
CAACCTCAAACGATTTGCTGGCTTTGGCTCCCAATGCTTGGGATTCTN

Restriction Sites:

NotI-NotI

ACCN:

NM_152636

Insert Size:

4700 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:	<u>NM_152636.1, NP_689849.1</u>
RefSeq Size:	3959 bp
RefSeq ORF:	822 bp
Locus ID:	196074
UniProt ID:	<u>A6NJ78</u>
Cytogenetics:	11p14.1
Domains:	Methyltransf_5
Gene Summary:	Probable S-adenosyl-L-methionine-dependent methyltransferase.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has multiple differences in the 3' coding region, compared to variant 1, one of which results in a premature termination codon. The encoded protein (isoform 2) has a novel shorter C-terminus, compared to isoform 1.