

## Product datasheet for **SC127054**

### SETDB2 (NM\_031915) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SETDB2 (NM_031915) Human Untagged Clone
Tag:	Tag Free
Symbol:	SETDB2
Synonyms:	C13orf4; CLLD8; CLLL8; KMT1F
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_031915, the custom clone sequence may differ by one or more nucleotides

```
ATGGGAGAAAAAATGGCGATGCAAAAACCTTTCTGGATGGAGCTAGAAGATGATGGAAAAGTGGACTTCA
TTTTTGAACAAGTACAAAATGTGCTGCAGTCACTGAAACAAAAGATCAAAGATGGGTCTGCCACCAATAA
AGAATACATCCAAGCAATGATTCTAGTGAATGAAGCAACTATAATTAACAGTTCAACATCAATAAGGGA
GCATCACAGAAAAGTGAATGCCCAAAGCAGTGATCCTATGCCTGTGACTCAGAAGGAACAGGAAAACA
AATCCAATGCATTTCCCTCTACATCATGTGAAAACCTTTCCAGAAGACTGTACATTTCTAACACAGA
AAATAAGGAAATCTCTCTCTTGAAGATAAAGTTGTAGACTTTAGAGAAAAAGACTCATCTTCGAATTTA
TCTTACCAAAGTCATGACTGCTCTGGTCTGTCTGATGAAAATGCCACTGAACTGAAGGGAGAAAACC
CTCTGCAGCTGCCAATCAAATGTCACCTTCAAAGACGACATGCAAAGACAACTCTCATTCTTCAGCACT
CCACGTGAGTTATAAAACCCCTTGTGGAAGGAGTCTACGAAACGTGGAGGAAGTTTTTCGTTACCTGCTT
GAGACAGAGTGAACTTTTTATTACAGATAAATTTTCTTCAATACCTATGTTTCAGTTGGCTCGGAATT
ACCCAAAGCAAAAAGAAGTTGTTTTCTGATGTGGATATTAGCAATGGAGTGAATCAGTGCCCATTTCTTT
CTGTAATGAAATGACAGTAGAAAAGCTCCACAGTTTAAGTACAGAAAAGACTGTGTGGCCTCGAGCATAT
AATCTAACCAACTTTTCCAGCATGTTTACTGATTCTGTGACTGCTCTGAGGGCTGCATAGACATAACAA
AATGTGCGATGTCTTCAACTGACAGCAAGGAATGCCAAAACCTCCCTTGTCAAGTGACAAAATAACCAC
TGGATATAAATAAAAAGACTACAGAGACAGATTCCTACTGGCATTATGAATGCAGCCTTTTGTGCAAA
TGTAATCGACAATTGTGTCAAACCGAGTTGTCCAACATGGTCCCTCAAGTGAGGTTACAGGTGTTCAAAA
CTGAGCAGAAGGGATGGGGTGTACGCTGTCTAGATGACATTGACAGAGGGACATTTGTTTGCATTTATTC
AGGAAGATTACTAAGCAGAGCTAACACTGAAAAATCTTATGGTATTGATGAAAACGGGAGAGATGAGAAT
ACTATGAAAAATATATTTTCAAAAAGAGGAAATTAGAAGTTGCATGTTTCAGATTGTGAAGTTGAAGTTC
TCCCATTAGGATTGAAAACACATCCTAGAAGTCTAAAACCTGAGAAATGTCCACCAAAGTTCAGTAATAA
TCCAAGGAGCTTACTGTGAAAACGAAATATGATAATATTTCAAGAATCAATATCATTTCAGTTATTAGA
GATCCTGAATCCAAGACAGCCATTTTCAACACAATGGGAAAAAATGGAATTTGTTTCTCGGAGTCTG
TCACTCCAGAAGATAATGATGGATTTAAACCACCCCGAGAGCATCTGAACTCTAAAACCAAGGGAGCACA
AAAGGACTCAAGTTCAAACCATGTTGATGAGTTTGAAGATAATCTGCTGATTGAATCAGATGTGATAGAT
ATAACTAAATATAGAGAAGAACTCCACCAAGGAGCAGATGTAACCAGGGCACCACATTGGATAATCAGA
ATATTAAGGCAATTGAGGTTCAAATTCAGAAACCCCAAGAGGGACGATCTACAGCATGTCAAAGACA
GCAGGTATTTTGTGATGAAGAGTTGCTAAGTGAACCAAGAATACTTCATCTGATTCTCTAACAAAGTTC
AATAAAGGGAATGTGTTTTTATTGGATGCCACAAAAGAAGGAAATGTCCGCCGCTTCCCTAATCATAGTT
GTTGCCAAATCTCTTGGTACAGAAATGTTTTGTAGAAACACACAACAGGAATTTCCATTGGTGGCATT
CTTCACCAACAGGTATGTGAAAGCAAGAACAGAGCTAACATGGGATTATGGCTATGAAGCTGGGACTGTG
CCTGAGAAGGAAATCTTCTGCCAATGTGGGGTTAATAAATGTAGAAAAAATATTATAA
```

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_031915 unedited            GAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGACACGAGGCTGCGCTCGGG            AGGTTTGGGGCGCTTGGCGTCCGAGGAGAGCCCCACCCGCGGAGGAACCCAGCCTTGCCA            ACGGAGCTGGCGGAGCTCACTCCTCAGGTCAAGCGGGCGGCGTAGAAAACGCAGCGGAGC            CAGGTGAAACCAAGGCACCGCGTGGCTGGCCCCGACAGTTCTCTAGCCGGGAGGTTG            GAGGAGCTGAAAACGCCGCGGAGCCCTCGGCCCGCCGAGCAGGGGCTGGACCCAGCCCT            TGCAGCCTCCCTTCTCCTGGCACCCAAGTGCAGTCTGGCTGCAGAAGGGGCCGCGGGCG            CACTGAGTTTCCAACCTCATTTCAGCCTGTCTGTCTCAGGGTGCAGCCTTAATGAGAGG            TGATTCCTAAGCTGCTGGGAACCTGAGGTTGTCAAAGGGCGGCGAGAAATGGACAGCAG            TATAAAACCCAGAAGCAGAACTTGAAGGTTAAACCACTAGCCATTTACAGGCGATGCA            AAAACTTTCTGGATGGAGCTAGAAGATGATGGAAGGTTGACTTCATTTTTGAACAAGTA            CAAAATGTGCTGCAGTCACTGAAACAAAAGATCAAAGATGGGTCTGCCACCAATAAAGA            ATACATCCAAGCAATGANTTCTAGTGAATGAAGCAAATATTTAACAGTTCAACATCAT            AAAGGATCCTATGCCTGTGACTCAGAAGGACAGGAANACAATCCATGCATTTCTCTACA            TATGTGAAACTNCTTTCAGAGACTGTCATTTCTACAACAGAATAGGAANTCTCTCTCTGA            AATAAGTGGTAACTTAAGAAAGACTATCTCGATTNACTACCAGGCTGAGCTCTGGGA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_031915 unedited            CGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAATTTTTTTTTTCTACATTTA            TTAACCCACATTGGCAGAAGATTTCTTCTCAGGCACAGTCCCAGCTTCATAGCCATAA            TCCCATGTAGCTCTGTTCTTGGTTTACATACCTGTTGGTGAAGAATGCCACCAATGGA            AAATTCCTGTTGTGTTTCTACAAAAACATTCTGTACCAAGAGATTTGGGCAACAATA            TGATTAAGGAAGCGGCCGACATTTCTTCTTTTGTGGCATCCAATAAAAACACATTCCTT            TTATTGAACCTTTGTTAGAGAATCAGATGAAGTATTCTTGGTTTCACTTAGCAACTCTTCA            TCACAAAATACCTGCTGTCTTTGACATGCTGTAGATCGTCCCTCTTGGGGTTTCTGAATT            TGAACCTCAATTGCCTTTTTAATATTCTGATTATCCAATGTGGTGCCTGGTTCTTCTGC            TCCTTGGTGGAGTTTCTTCTATATTTAGNTATATCTATCACATCTGATTCAATCACCA            GATTATCTTCAAACATCAACATGGTTTGAACCTGAGTCCCTTTTGTGCTCCTTCGCTTT            TAGAGTTCAGATGCTCTCGGGTGCCTTAAATCATCCTTTTTTTTTTGAAGTGACCGACCT            CGAGAAAACAATTCAATTTTTTTTCCATTGTGTTGAAAATGGCTGTCTTGATTCCGATCTT            TAAACCTGACGATTTGGATTCTTGACATATTTCCATATTCGTTCCATAATAACCCCTG            GGACCATATGAACCTTTGGGCGACTTTTCTTAATTTCCACCCTCAGATTCGGGTCCAT            CCCAAGGGAAAACCTTCAATTTACAAACGGCCCCCCCCCTTCCACTTTTTTTTTTAGAAA            CTACTTTTCAAGTATTTACATTTCCCGGTGACAAACCCATTAATAAATTCGACGGAAACT            CTTTTTATACCTCCTTTCAAATCCACAAGTTCTCTCCCAGTTTTAATCGTCCCCCCC            TTTCTTA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_031915
<b>Insert Size:</b>	2600 bp
<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).

**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\\_031915.1](#), [NP\\_114121.1](#)

**RefSeq Size:** 3307 bp

**RefSeq ORF:** 2160 bp

**Locus ID:** 83852

**UniProt ID:** [Q96T68](#)

**Cytogenetics:** 13q14.2

**Domains:** SET, MBD, PreSET, Pre-SET

**Protein Families:** Druggable Genome

**Protein Pathways:** Lysine degradation

**Gene Summary:** This gene encodes a member of a family of proteins that contain a methyl-CpG-binding domain (MBD) and a SET domain and function as histone methyltransferases. This protein is recruited to heterochromatin and plays a role in the regulation of chromosome segregation. This region is commonly deleted in chronic lymphocytic leukemia. Naturally-occurring readthrough transcription occurs from this gene to the downstream PHF11 (PHD finger protein 11) gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.