

Product datasheet for **MC221050**

Setdb2 (NM_001081024) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Setdb2 (NM_001081024) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Setdb2 |
| Synonyms: | Clld8; Gm293; KMT1F |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC221050 representing NM_001081024
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGAAAAAATGGTGATGCAAAGACTTTCTGGATGGAGCTACAAGATGATGGTAAAGTTGACTTAA
 TGTTTGAGAAAACACAAAATGTCTACATTCAGTCAAACAGAAGATAAAGGATGGGTCTGCCACAAATGG
 AGACTATGTCCAAGCAATGAATCTAGTAAATGAAGCCACTCTGAGTAACACGCAAACTGGAAAAGGGT
 ATGTTCTACTTATTCCAATCCTGAAGTGAATACTCATCGTAGCAATCATAACCTGTGACTCAGAGTG
 AACAGGAAAACAAATCAAGTGGCGTTCCCTCTGCATCATGTGACAACCTCTGTCCTAAGGGCTGTACTAT
 CCCATCTCCAGGAAAAAAGTATTCCTCCCTGTGAAGAATAAAGCTGACAATTTAGTGAAAAAGGAAGCC
 CCACTGCATATATCTTTCCATCGCCATATCTGCTCCAGGACTTGCTAATGGAACCCCACTGTCCCTTGA
 AGGGAGAAAACCCCTGCAGCTACCAATCAGATGCTACTTCAAAGACGACATGCAAAGACAACTCTCA
 TTCTTCTGCCCTCCATGTGAATTATAAACGCCCTGTGGACGGAATCTACGAAACATGGAGGAAGTTTTT
 CATTACCTGCTTGAAACAGAGTGAACTTTTTATTACAGACAACCTCTCTTTCAATACTTATGTCCAGT
 TGACTCGGAATACCCAAAGCAAAATGAAGTTGTTTCTGACGTGGATATTAGTAATGGAGTGAATCAGT
 GTCGATTCCTTTCTGTAATGAAATTGACAACAGTAAACTTCCACGGTTTAAAGTATAGAAATACAGTATGG
 CCCCAGATATATCATCTGAACCTTTCCAACATGTTTTCTGATTCAATGTGACTGTTCTGAGGGCTGCATAG
 ACATAAAAAATGTGCATGTCTTCAGTTGACAGCAAAGAATGCCAAGGCATGTCCCTTGCATCGGATGG
 AGAATGTGCTGGATATAAATACAAAAGACTGCAGAGGCTCATACCTACTGGCATTATGAATGCAACCTG
 CTCTGCAAGTGTAAACAACAGATGTGTCAAACCGAGTTATCCAGCATGGTGTCCGGGTGAGGCTACAGG
 TGTTCAAAGTGAAGAAGAAGGGCTGGGGAGTACGCTGCCTGGATGACATTGACAAAAGGACATTTGTGTG
 CATTATTCAGGAAGTTACTGCCAGAGCCACTCCTGAGAAAATAATATAGGTGAAAAATGGAAGAGAG
 CAACAGCACATTGTGAAAAATTCATTTTCCAAAAGAGGAACTAGAAAGTTGTGTGTTTCAGATTGTGACG
 CACACTGTGACAGTCCTAAGGCTGAGGACTGCCCTCCCAAGCTTAGTGGTGATCTCAAAGAGCCCGCTGT
 GGAAATGAACCATAGAAATATTTCAAGAACTCAGCATCATTCAAGTATTAGAAGAACTAAATCCAAGACA
 ACTGTTTTTTCATTACAGTGAGAAAACATGGGATTTGTTGTCTCAGATTCTGCCGCCCCAGAAAGATAAGA
 ATGGATTTAAACCAGCTCAAGAACACGTGAACCTCTGAAGCTAGGAGAGCTCACGAGGACTTAAGTTCAAA
 CCCAGCTGGAGATTCTGAAGACACAGCTGACTGAATCAGACGTGATAGATATAACTGCAAGTAGAGAA
 GACTCTGCCCAGCATACAGGTGAAGCACGCAACCATAGTGGATCGTAAGGACACTAAACAGGTGCTTG
 AAGTCCCAGGAAAGAAGTCCAAGAGGAAGAGCCTGCAGCCTCTCAAAGCCAGCAGGCCTTGTGTGATGA
 GGAGCTGCCAAGTGAGAGGACAAAGATTCCATCTGCTTCCTGATGCAGCTCAGTAAGGAGAGTCTGTTT
 CTATTGGATGCTTCAAAGAAGGAAATGTGGGCGCTTTCCTCAATCATAGTTGTGTCCAAATCTCTGGG
 TGCAGAAATGTTTTGTAGAAACATGACAGGAATTTCCATTGGTGGCCTTCTTACCAACAGGTATGT
 GAAAGCAAGGACAGAATAACGTGGGATTATGTTATGAAGCTGGGGCCACGCCTGCAAAGGAAATCCTC
 TGCCAATGTGGGTTAATAAGTGTGGAAAAAATTAATA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081024
Insert Size: 2142 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001081024.1](#), [NP_001074493.1](#)

RefSeq Size: 3034 bp

RefSeq ORF: 2142 bp

Locus ID: 239122

Cytogenetics: 14 C3