

## Product datasheet for **RN217580**

### Setdb1 (NM\_001271175) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Setdb1 (NM\_001271175) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Setdb1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN217580 representing NM\_001271175  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCTCCCTCCCTGGGTGCATGAGTTGGCTGCAGCGCCAGCTGCGGCGGACTCTGCAGAGATTGCTG  
AGCTGCAGCAGGCAGTGGTTGAAGAGCTGGGTATCTCTATGGAGGAACTTCGTCAGTTTCATCGATGAAGA  
ACTGGAAAAGATGGACTGTATACAGCAGCGCAAGAAGCAGCTGGCAGAGCTGGAGACGTGGGTGCTGCAG  
AAGGAGTCTGAGGTGGCTTATGTTGATCGGCTGTTTATGATGATGCATCTAGGGAAGTGAATAATTGTGAGT  
CTTTGGTGAAGGATTTCTACTCTAAGCTGGGATTACAGTATCATGACAGTAGCTCTGACGATGAAGCTTC  
CCAGCCTACAGAGATAATCGAGATTCTGATGAAGATGATGATGTCTCAGTATTGATTCAGGTGATGCT  
GGGAGCAGAACGCCAAAAGATCAGAAGCTTCGTGAAGCTATGGCTGCCTAAGAAAATCAGCTCAAGATG  
TCCAGAAGTTCATGGATGCTGTGAATAAGAAAAGCAGTTCTCAAGATCTACATAAAGGAACCTTGGGTCA  
GGTGTCTGGGAACTGAGCAAAGATGGGACCTGATAGTCAGCATGCGGATTCTGGGCAAGAAGAGGACT  
AAGACGTGGCACAAGGCACCCCTATTGCCATCCAGACTGTCGGGCTAGGAAAGAAATACAAAGTAAAT  
TTGACAACAAAGGAAAGAGTCTGCTGTCTGGGAACCATATTGCCTATGATTACCACCTCCTGCTGACAA  
GCTGTTTGTGGGAGTCCAGTGGTGGCCAAATACAAAGATGGAATCAGGTCTGGCTTTATGCTGGCATT  
GTAGCTGAGACCCCTAACGTCAAGAACAAGCTCAGATTTTTAATTTTTTTTATGATGATGGCTATGCTTCT  
ATGTCAGTCCGAGCTGTATCCCATTTGCCGACCATGAAAAGACTTGGGAGGACATAGAAGACAG  
CTCCTGCCGAGACTTCATAGAAGAATATCACTGCCTATCCAAACCGCCCAATGGTACTTCTCAAGAGT  
GGCCAGCTTATTAAGACTGAGTGGGAAGGCACATGGTGGAAAGTCTCGAGTTGAAGAGGTTGATGGCAGCC  
TAGTCAGGATCCTCTTTCTGGATGACAAAAGATGTGAGTGGATCTATCGAGGCTCTACACGCTGGAACC  
TATGTTTCAGTATGAAGACATCCTCAGCCTCTGCAATGGAGAAGAAGCAAGGGGGCAACTCAGAACCCTG  
CCTAATATGGGTGCTGTGAGGAGCAAAGTCTGTTGTTTCAGTACACTCAGGATCTAACGAGTATGGAA  
TCCAGTTTAAGCCCATGGAGCCCTGCAGCCTATAGTCCCACTGCCCGCTTCCCATGCTTCTCTTTTC  
CCCCAGGCAGGCAGAGTGAAGCTTAGAAAAGCCAGCTTGTCTAATCACGGAAGCAAGTAGCCAAAAG  
AGCACATCATTCCGACCAGGATCTGTGAGTTCTGGCCATTCTCCCTACTTCGCCACACTCAGTGAAA  
ATGTACCCCTGGGAAAATTGGAATGAACCAGACATACAGATCACCTTCAGCCTCTGTAACATCTACCCC  
AGCACCTGCAGCCCTTCTGGGCTCCAGCCCTCCAGGGCTCTTGTCTCTCTGGACCACCGGCCCT



CCAGCTTCCACGGCATGTTAGAGCGGGCACCAGCTGAGCCCTCCTATCGTGCCCTATGGAGAAGCTTT  
TCTATTTACCTCATGTCTGCAGTTACACTTGTGTTGCCGGATTAGACCCATGAGGAATGAACAATATCG  
GGGCAAAAACCTCTACTGGTCCCACTATTGTATGACTTCCGGAGGATGACAGCACGTCCGAGAGTTAAC  
CGCAAGATGGGCTTCCATGTAATCTATAAGACACCCTGTGGTCTCTGCCTTCGGACGATGCAGGAAATAG  
AGCGCTACCTTTTTGAGACTGGCTGTGACTTCTGTACCTGGAGATGTTCTGTTTGGATCCATATGTCCT  
GTTTGACAGAAAAGTTCAGCCCTTTAAACCTTTTTACTATATTTTGACATCACCTATGGCAAAGAAGAT  
GTTCCCTGTCTGTGTTAATGAGATTGACACAACCTCCCCACCCAGGTGGCCTACAGCAAGGAACGCA  
TTCCTGGCAAGGGTGTTCATTAAACACAGGCCCTGAATTTCTGGTTGGCTGTGACTGCAAGGATGGGTG  
TCGGGATAAATCCAAGTGTGCCTGCCATCAGCTACTGTCCAGGCCACAGCCTGTACCCAGGGGTGAG  
ATCAACCTAGCTCCGGCTACCAGCACAAAAGACTAGAAGAGTGTCTGCCACAGGGTTTATGAGTGTA  
ACAAGCGCTGCAATGTGACCCAAACATGTGCACAAATCGGTTGGTGCAGCATGGACTGCAGGTTGACT  
ACAGCTGTTTAAAGACACAGAACAAGGGCTGGGGCATCCGCTGCTTGATGACATTGCTAAAGGCTTTTT  
GTCTGCATTTATGCAGGCAAAATCCTGACAGATGACTTTCAGACAAAAGAAGGCCCTCGAGATGGGTGATG  
AGTACTTTGCAAACTGGACCACATTGAAAGTGTGGAGAACTTCAAGGAAGGATATGAGAGTGACGTCCC  
CAGCTCCTCTGACAGCAGTGGGGTGGATATGAAGGACCAGGAGGATGGCAACAGTGGCTCAGAGGACCT  
GAGGAGTCCAACGACGACAGCTCCGATGACAACCTCTGTAAAGGACGAGGACTTCAGCACCAAGTTCAGTGT  
GGCGTAGCTATGCAACCCGGAGGACAGCTCGGGGTGAGAAGGAGAGTGAAGTGTCTGAGGTGACTTCAAA  
GGACTCCCGCGCCAGACCGTGGGCTCCCCACGTCCCTATCACTCCCTCAGGATCTGTAGGGGTTGTC  
AATCCACCTTCTCCGAAGAGACACCCAAGAACAAGGTGGCTCATGGTTGAGCTGCAATAGTGTGACTG  
AAGGTGGATTTGCTGACTCTGACAGCCGTTCTCCTTTAAGACTAGTGAAGGTGGAGATGGCCGTGCTGG  
GGGAGGCCGGGAGAGGCTGAAAGAGCCTCTACCTCAGGATTGAGCTTCAAGGATGAAGGAGACAGTAAG  
CAATCTAAAAAGAGGACCCTGAGGACCGAAAACAAGATGTCAGTAGTACTGAAGGCTCTCAGAATCATG  
GACACAATCCTCCCATGAAGTCTGAAGGGCTTCGCCGACCAGCTAGTAAAATTTCTATGCTCCAGAGCCA  
GGGAGTTGTGACTTCTACTCAGTCAAACCTGATGATATCCTAACACTGTCCAGCAGCACAGAAAAGTGAG  
GGGAAAAGTGGAACAGCCGAAAGCCCACTACTGGTCAGACTTACGCCACAGCAGTTGACAGTGATGACA  
TCCAGACCATCTTCTGGCTCTGATGGCGATGACTTTGAGGACAAGAAGAACTGTGCGGACCAACAAA  
GCGTCAGGTGGCAGTAAATCAACCCGAGGCTTTGCTCTAAATCAACCCATGGTATTGCCATTAATCA  
ACCAACATGGCTTCCGTGGACAAGGGGAGAGTGCACCAGTTCGTAAGAACACACGCCAGTTCTATGATG  
GTGAAGAGTCTTGCTACATCATTGATGCCAACTTGAAGGCAACCTAGGCCGCTACCTCAATCACAGTTG  
CAGCCCCAACCTGTTTGTCCAGAAGCTTTTGTGGATACCCATGATCTTCGTTCCCTTGGGTGGCCTTT  
TTTGCCAGCAAGAGAATCCGGGCTGGAACAGAACTCACTTGGGATTACAACATGAAGTGGGCGAGTGTGG  
AAGGCAAGGAAGTCTGTGCTGTGGAGCCATTGAATGCAGAGGGCGGCTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-MluI

**ACCN:**

NM\_001271175

**Insert Size:**

3909 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).

**OTI Annotation:**

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_001271175.1](#), [NP\\_001258104.1](#)

**RefSeq Size:** 4538 bp

**RefSeq ORF:** 3909 bp

**Locus ID:** 689883

**Cytogenetics:** 2q34