

## Product datasheet for RN202799

### Dbx1 (NM\_001009644) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Dbx1 (NM\_001009644) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Dbx1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Fully Sequenced ORF: >RN202799 representing NM\_001009644  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGTTCCCCGGCCTCCTTGCGCCCCCGGGGATACCCTAGCCTCCTGCGACCCACGCCACCTTAA  
 CACTGCCCCAGTCCCTTCAATCCGCATTTCTGGCCACTCTAGTTTCTAGTAGAAGATTTGATCCGCAT  
 CAGCCGGCCCCACCTACCTGCCCGCAGCATAACCCACTGCCAGCCTGTACCCCCGAGGCAGGAGGCC  
 CCCACAGCCCTCGCCGACTCTGGGACCTCGGACCTGGGCTCTCCTGGGTCCGGGAGCCGGAGGGCAGTT  
 CTCCACAGACCGCCCTCTCCCCGGCCAGCGAGCCACGTTTCTGAAGTTTGGGGTGAATGCCATCCTTTT  
 GTCCGCGCCAGAAAGAGAACTTCGCCGGCTTTGCTGCAGAGTCCCCCTCCAAGACGTTTCGCCTTTCCA  
 TACTTCGAAGGCTCGTTCCAACCTTCATCAGATCCTCCTATTTTCCAGCTTCTCCAGCGTCGTGCCTA  
 TTCCTGTTACCTTCTCCTGGCCGCTGGCCGCTCGCGGCAAGCCTCGCCGGGCATGCTGCGCAGAGCCGT  
 GTTCTCTGACGTGACGCGAAAAGCCCTGGAGAAGACGTTTTCAGAAACAGAAGTACATCAGCAAGCCAGAC  
 CGGAAAAAGCTGGCTTCCAAGCTGGGCTTGAAGGACTCGCAGGTGAAAATCTGGTTCCAGAATCGACGCA  
 TGAAGTGGCGGAACCTCAAAGAGCGGGAGCTCCTGTCTAGCGGGGCTGCCGAGAGCAGACCCTCCCTAC  
 AAAACTGAACCTCATCCGGACCTCAGTGATGTAGGCCAGAAGGGCCCTGGGGATGAGGAGGAAGATAGT  
 CCTGGTCCAGCCTGGCCTACCATGCACCCCCAGATCCTCGACACCTGCTGGAAGGGCCACTGCCTGCCT  
 CGCCAGCGCACTCGAGCAGCCCGGTAACCCCTCAGACTTCTCTGATTCTGATGAGGATGAGGAAGGTGA  
 GGAGGACGAGAAATCACGGTGTCT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001009644



<b>Insert Size:</b>	1008 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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001009644.1</a></u> , <u><a href="#">NP_001009644.1</a></u>
<b>RefSeq Size:</b>	1008 bp
<b>RefSeq ORF:</b>	1008 bp
<b>Locus ID:</b>	292934
<b>UniProt ID:</b>	<u><a href="#">Q5NSW5</a></u>
<b>Cytogenetics:</b>	1q22
<b>Gene Summary:</b>	Could have a role in patterning the central nervous system during embryogenesis. Has a key role in regulating the distinct phenotypic features that distinguish two major classes of ventral interneurons, V0 and V1 neurons. Regulates the transcription factor profile, neurotransmitter phenotype, intraspinal migratory path and axonal trajectory of V0 neurons, features that differentiate them from an adjacent set of V1 neurons (By similarity). [UniProtKB/Swiss-Prot Function]