

Product datasheet for **SC302449**

DBX1 (NM_001029865) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DBX1 (NM_001029865) Human Untagged Clone
Tag:	Tag Free
Symbol:	DBX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001029865 edited GCCACCATGATGTTCCCCGGCCTCTCGCGCCCCCGCCGGGTACCTAGCCTCCTGCGG CCCACGCCACCTTGACGCTGCCCGAGTCTTGCAGTCGGCATTTCGGGCCACTCCAGC TTCTGTGGAGGATCTGATCCGCATCAGCCGACCCCCCGCTACCTGCCCGCAGCGTG CCCACCGCAGCATGTCGCCGCCAGGCAGGGGGCCCCACGGCCCTACCGACACGGGG GCCTCGGACTGGGCTCCCCGGTCCCGGCAGCCGACGGGGCGGCTCTCCGCCACTGCC TTCTCCCTGCCAGCGAGACGACGTTTCTGAAGTTTGGAGTGAACGCCATCCTCTCCTCG GGGCCCAGAACAGAAACATCCCCAGCCTTGCTCCAGAGCGTCCCTCCCAAGACCTTCGC TTTCCCTACTTCGAAGGGTCTTTTCAGCCTTTCATCAGATCTTCTATTTCCAGCTTCC TCCAGCGTGGTGGCCATCCCCGGGACCTTCTCTGGCCGCTGGCCGCGCGGGAAGCCT CGGCGGGCATGCTGCTCGAGCAGTCTTCTCCGACGTGCAGCGGAAGGCCTGGAGAAG ATGTTCCAGAAGCAGAAGTACATCAGCAAGCCCGACCGCAAGAAGCTGGCGGCAAGCTG GGCCTGAAAGACTCGCAGGTGAAAATCTGGTTCCAGAACCAGCATGAAATGGCGGAAC TCCAAGGAGCGGAACTCCTGTCTAGCGGGGGTGTGCGGAGCAGACCCTGCCACCAAG CTCAATCCGCACCCGGACCTCAGCGACGTGGGCCAGAAGGGCCCTGGGAACGAAGAGGAG GAGGAGGGCCCGGCAGCCCCAGCCACCGCCTGGCCTACCACGCGTCTCCGACCCCGAG CACCTGCGGGACCCGGGCTGCCAGGGCCGCTGCCCCCTCGCCCGCAGCTCGAGCAGT CCCGGAAACCTTCGGACTTCTCAGATTCCGAGGAGGAAGAGGAGGGCGAGGAACAGGAG GAAATCACCGTGCCTAG
Restriction Sites:	Please inquire
ACCN:	NM_001029865
Insert Size:	1100 bp



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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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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_001029865.1, NP_001025036.1</u>
RefSeq Size:	1149 bp
RefSeq ORF:	1149 bp
Locus ID:	120237
UniProt ID:	<u>A6NMT0</u>
Cytogenetics:	11p15.1
Gene Summary:	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]