

Product datasheet for **SC122679**

DLX2 (NM_004405) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLX2 (NM_004405) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLX2
Synonyms:	TES-1; TES1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_004405 edited
CCACGCGTCCGGATGCGACCAGAGGCAGCTGTCCCAGCAGCGCACGGTATCGCCTCCC
CCGGAGGAGGAGGCGCCTAGACGGTTGCCTCCTTTCTTGTTCCTCCACCACCACCCCGT
AATTACATTGGCTGCTGGAGGGGACCGGAGAGACAGAGGAGGCGCCTGGCTTCCCCCGC
ACACCCGCCACCTCTGCTCTTCCCGTCTCGGGCCAGGATGACTGGAGTCTTTGACAGTC
TAGTGGCTGATATGACTCGACCAGATCGCCGCTCCAGCACGTACCACCAGCACCAGC
AGCCCCGAGCGGCGGCGCCGCGGGTGGCAACAGCAGCAGCAGCAGCAGCAGCCTCC
ACAAGCCCAGGAGTCGCCACCCTTCCGGTGTCCACCGCCACCACAGCAGCTACTACA
CCAACCAGCAGCACCCGCGGGCGGCGGCGGCGGGGCTCGCCCTACGCGCACATGG
GTTCTACCAGTACCAAGCCAGCGGCTCAACAACGTCCCTTACTCCGCCAAGAGCAGCT
ATGACCTGGGCTACACCGCCGCTACACCTCCTACGCTCCCTATGGAACCAAGTTCGTCC
CAGCCAACAACGAGCCTGAGAAGGAGGACCTTGAGCCTGAAATTCGGATAGTGAACGGGA
AGCCAAAGAAAGTCCGAAAACCCCGCACCATCTACTCCAGTTTCCAGCTGGCGGCTTTC
AGCGGCGTTTCCAAAAGACTCAATACTTGGCTTGCCGGAGCGAGCCGAGCTGGCGGCT
CTCTGGGCTCACCCAGACTCAGGTCAAATCTGGTTCCAGAACCGCCGTTCCAAGTTCA
AGAAGATGTGAAAAGTGGTGAGATCCCCTCGGAGCAGCACCTGGGGCCAGCGTCTCTC
CACCTTGTGCTTCGCCGCCAGTCTCAGCGCCGGCTCCTGGGACTTTGGTGTGCCGAGC
GGATGGCGGGCGGCGGTGGTCCGGGCAAGTGGCGGACGGCGCCGGCAGCTCGGGCTCCA
GCCCGAGCAGCGCGGCTCGGCTTTTCTGGGCACTACCCTGGTACCACCAGACCTCGG
GATCCGCTCACACCTGCAGGCCACGGCGCCGCTGCTGCACCCCACTCAGACCCCGCAGC
CGCATCACACCACCACCATCACGGCGGCGGGGCGCCCCGGTGAGCGCGGGGACGATTT
TCTAACCCAGGGAGAAGTCCGAGAGACTCGCCAGAGACTGAGAGCAGAGACCACTTATCCTCATTGCTT
ACCCCGAGCCGGGTTCCCTCCTCCCGGCCGCTGCCCGCACCCACCTCCTGACAGGCT
GCGACCTGCAGTGGCCCGTCTCAGGCCCTGCTCACTCCCGGGGCCACCAACGGGCCCT
CTCTCGGGGAACCGGACAGCAGCTTGGCAAAGGCCTCCCTAAAAGGCCGATTTCTGAC
CTGAGCCCCGGTCTCGGCTGTTTCGAGCCCCGCTCGGACTTGCCTTCCCTCCCCTCCG
GGTGAGCCTGTCTGGCGCTTCTCGCCCCGGGCTGAGAGCTGGGTCCCGGGAGATGGAA
GCCTCCAGGGCGCGGAGGCTTCCCGGGCGCTCTGAGGCTTCTTCTCCTCGCCGCTCC
CCTGGGCTCAGCTCGGACGCTGCAGTTATTGACCTCCCGTCCCGCTGCCCGCCCTCCC
CCACGTGGCCCCTTGACCCGGGCGGCCCGCGCTTCTTCTTCTGACGTTCCCAGCC
CTCGGAGCCCCATCCCTTATCTTACCCCAACCGGCTCCCCAGGAGCGCTCCCTCAGC
TCTCTCCTCATCCATCACAGTGGAGTTTTTTTATTTTTTATTTTTTAAAAGTTTAGGT
GCCTTTCGGGATGACCTATTTTACGTTGAAAAAATGATTTTTTAAATATGTGAACACTG
CAAAAATGTGTTAAATTATCTTTTTTAAACCTATTCAGGATTATTAGCCTGGACTTGG
ACACAGAGTTTGTAAATAAAGGTGTCTGTGCAGATAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004405 unedited NGGTTACATTTGTATACGACTCATATAGGCGGCCGCGNATTCCTCCGGGATATCGTCGACC CACGCGTCCGGATGCGACCAGAGGCAGCTGTCCCAGCAGCGCACGGTGATCGCCTCCCC CGGAGGAGGAGGCGCCTAGACGGTTGCCTCCTTTCTTGTTTCCCCACCACCACCCCGTA ATTACATTGGCTGCTGGAGGGGACCGGGAGAGACAGAGGAGGCGCCTGGCTTCCCCGCA CACCCGCCACCTCTGCTCTTTCCCGTCTCGGGCCAGGATGACTGGAGTCTTTGACAGTCT AGTGGCTGATATGCACTCGACCCAGATCGCCGCTCCAGCACGTACCACCAGCACCAGCA GCCCCGAGCGGCGGCGGCCGCGGGTGGCAACAGCAGCAGCAGCAGCAGCAGCTCCA CAAGCCCCAGGAGTGCGCCACCCTTCCGGTGTCCACCGCCACCGACAGCAGCTACTACAC CAACCAGCAGCACC CGCGGGCGGCGGGGGCTCGCCCTACGCGCACATGGG TTCCTACCAGTACCAAGCCAGCGCCTCAACAACGTCCCTTACTCCGCCAAGAGCAGTA TGACCTGNGCTACACCGCCCTACACCTCCTACGCTCCCTATGGAACCAGTTTCGTC AGCCAACAACGAGCCTGAGAAGGAGGACCTTGAGCCTGAAATTCGATAGTGAACGGGAA GCCAAAGAAAGTCCGGAACCCCGCACCATCTACTCCAGTTTCCAGCTGGCGGCTTTCAG CGGCGTTTCCAAAAGACTCAATACTTNGGCCTTGCCGNAGCGAGCCGAGCTGGCNGCCTC TCTGGGCCTCACCCAGACTCAGGTCAAATCTGGGTCCAGAACCNGCCGTCCCAGTTCAG AAGATGTGGAAAGTGGTGAGAA
Restriction Sites:	Please inquire
ACCN:	NM_004405
Insert Size:	2030 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).
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:	NM_004405.2 , NP_004396.1
RefSeq Size:	2091 bp
RefSeq ORF:	987 bp
Locus ID:	1746
UniProt ID:	Q07687
Cytogenetics:	2q31.1
Protein Families:	ES Cell Differentiation/IPS, Stem cell relevant signaling - TGFb/BMP signaling pathway, Transcription Factors

Gene Summary:

Many vertebrate homeo box-containing genes have been identified on the basis of their sequence similarity with Drosophila developmental genes. Members of the Dlx gene family contain a homeobox that is related to that of Distal-less (Dll), a gene expressed in the head and limbs of the developing fruit fly. The Distal-less (Dlx) family of genes comprises at least 6 different members, DLX1-DLX6. The DLX proteins are postulated to play a role in forebrain and craniofacial development. This gene is located in a tail-to-tail configuration with another member of the gene family on the long arm of chromosome 2. [provided by RefSeq, Jul 2008]