

## Product datasheet for **SC107133**

### DLX1 (NM\_178120) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DLX1 (NM_178120) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_178120, the custom clone sequence may differ by one or more nucleotides

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ATGACCATGACCACCATGCCAGAAAGTCTCAACAGCCCCGTGTCGGGCAAGGCGGTGTTTATGGAGTTTG
GGCCGCCCAACCAGCAAATGTCTCCTTCTCCCATGTCACGGGCACTACTCCATGCACTGTTTACACTC
GGCGGGCCATTTCGAGCCCGACGGCGCCTACAGCTCAGCCTCGTCCTTCTCCCGACCGCTGGGCTACCCC
TACGTCAACTCGGTGAGCAGCCACGCATCCAGCCCCTACATCAGTTCGGTGCAGTCCTACCCGGGCAGCG
CCAGCCTCGCCAGAGCCGCCTGGAGGACCCAGGGCGGACTCGGAGAAGAGCACGGTGGTGAAGGCGG
TGAAGTGCCTTCAATGGCAAGGGAAAAAAGATCCGTA AACCCAGGACGATTTATTCCAGTTTGCAGTTG
CAGGCTTTGAACCGGAGTTCCAGCAAACCTCAGTACCTAGCTCTGCCGGAGAGGGCGGAGCTCGCGGCCT
CTTTGGGACTCACACAGACTCAGGTCAAGATCTGGTTCCAAAACAAGCGATCCAAGTTCAAGAAGCTGAT
GAAGCAGGGTGGGGCGGCTCTGGAGGGTAGTGCCTTGGCCAACGGTCGGGCCCTGTCTGCTGGCTCCCCA
CCCGTGCCGCCCGGCTGGAACCCCTAACTCTTCATCCGGGAAGGGCTCAGGAGGAAACGCGGGCTCCTATA
TCCCCAGCTACACATCGTGGTACCCTTCAGCGCACCAAGAAGCTATGCAGCAACCCCAACTTATGTGA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_178120 unedited  
TCAACAATATGTAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGACAACT  
CCATTTTCTTATGAATGGAAAGTGAAAACCCCTGTTCCGCTTAAATTGGGTTCTTCCTG  
TCCTGAGAAACATAGAGACCCCCAAAAGGGAAGCAGAGGAGAGAAAGTCCCACACCCAGA  
CCCCGCGAGAAGAGATGACCATGACCACCATGCCAGAAAGTCTCAACAGCCCCGTGTCGG  
GCAAGGCGGTGTTTATGGAGTTTGGGCCGCCAACCCAGCAAATGTCTCCTTCTCCCATGT  
CCCACGGGCACTACTCCATGCACTGTTTACACTCGGCGGGCCATTCCGACGCCGACGGCG  
CCTACAGCTCAGCCTCGTCCTTCTCCCGACCGTGGGCTACCCCTACGTCAACTCGGTCA  
GCAGCCACGCATCCAGCCCTACATCAGTTCGGTGCAGTCTACCCGGGAGCGCCAGCC  
TCGCCCAGAGCCGCTGGAGGACCCAGGTCAAGATCTGGTTCCAAAAAAGCGATCCAAG  
TTCAAGAAGCTGATGAAGCAGGGTGGGCGGCTCTGGAGGGTAGTGCCTGGCCAACGGT  
CGGGCCCTGTCTGCTGGCTCCCCACCCGTGCCGCCGGCTGGAACCCCTACTTTCATCC  
GGGAAGGGCTCANGAGGAAACGCGGGCTCTATATCCCCAGCTACACATCGTGGTACCT  
TCAGCGCACCAAGAAGCTATGCAGCACCCCAACTTATGTGAGGTTGCCCGCCGTCTCC  
TTCTTGCTTCCCGGCCAGGTCCTTCCGNCTCCAGGTCATTTCCTCGTTCGGAAGAA  
AGACCCACAGGGAANGNACAATGGAAGGGGACGCCCTCTTCTCGGAGCCCGCGGAG  
GTCGGGCCAACACTTCCGGATTCCGGCTTATCTGAACCTGCCTGGCCACATGCAACCAA  
G

**3' Read Nucleotide Sequence:**

>OriGene 3' genomic read for NM\_178120 unedited  
TATGGACCGGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTCAAAAAACATA  
ATTTTACTGTCTCAAAGAACTTATAACTTATTTACAAAGTTTTTTTCCCAAGATACAA  
AGCAATAAGTTAACATTTCAATATAAACTAACTTTGACATAGAGAACACAAAAACACA  
GTTGATTTCAATTGATCACATTTTCCAAATTTACAAGAAAAATGTCAAGATTCTATTT  
CACAAAGCATGGGGTTTTACAGCCACACACAACGAACGCAAAAAGGCTAAGCTTGTGCA  
ACATGTTTACAGAACAAATAATAACAATAATAATAACAATAATATGTACAGTCAT  
TAGATCTGCACTGGAGATTGTGCGTTCAGGGTGGTACTGGCATTATTCTGTGGTCGAG  
CCTCTAGGGATTGTTGTAAGCTGATTTTGTCTTATTTTAAAGCCCACTGGAATTAGAGT  
GCTTGTCTCGCCTGTTTTCTCTACTCCCCATTTGCCCTCGTCCCTCTTTCTACCCA  
AGGAGGAAATCAGCATTTTCTTGTCCAGGCGAAGCAACAGAGTTCTCCCGAAATG  
AGAAAATCATGTTGGCTTCAATTTATCGTTCTTTTCTTTTAAAAATATTTATTAATAAT  
GTCGGACATGTAATAATGCAAATCATTGGCTCCAACTCTCCATACCAGAGAAGTACA  
AAAGTTACTGTATAAATTAATAATCAACCAGTCTCTCTTATTTCGTTTCTCCCGTGGCT  
TAAAGTAAACAGTGCCTTGAACAGTGCCTTCTTGCGCCAGCAGAACCTGGATTGTC  
AAACAGCCTCAGGCGAAGTCCATTCTCATAAATAAAACCCCTCTCCAAGGCCCCAGAG  
TCCCACACANCTACAGATGGTCAGCCAAATGTCCCGGATCGGAAAAATGTACCCCGCA  
GGACCGGGCCCTCAATATTGGGGTTTTGCGGGG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_178120

**Insert Size:**

2000 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).

<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>	<a href="#">NM_178120.3</a> , <a href="#">NP_835221.2</a>
<b>RefSeq Size:</b>	2403 bp
<b>RefSeq ORF:</b>	2403 bp
<b>Locus ID:</b>	1745
<b>UniProt ID:</b>	<a href="#">P56177</a>
<b>Cytogenetics:</b>	2q31.1
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a member of a homeobox transcription factor gene family similar to the Drosophila distal-less gene. The encoded protein is localized to the nucleus where it may function as a transcriptional regulator of signals from multiple TGF-<math>\beta</math> superfamily members. The encoded protein may play a role in the control of craniofacial patterning and the differentiation and survival of inhibitory neurons in the forebrain. This gene is located in a tail-to-tail configuration with another member of the family on the long arm of chromosome 2. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>