

Product datasheet for **SC303071**

CDX1 (NM_001804) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDX1 (NM_001804) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001804 edited

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CCACCATGTATGTGGGCTATGTGCTGGACAAGGATTCGCCGTGTACCCCGGCCAGCCA  
GGCCAGCCAGCCTCGGCCTGGGCCGCAAGCCTACGGCCCCCGCCCCCGCCCGGCGC  
CCCCGCAGTACCCGACTTCTCCAGCTACTCTACGTGGAGCCGCCCGCGCCCCGA  
CGGCCTGGGGGGCGCCCTTCCCTGCGCCCAAGGACGACTGGGCCGCCCTACGGCCCG  
GCCCCGCGGCCCTGCCGCCAGCCAGCTTCGCTGGCATTGCGGCCCTCCAGACTTTA  
GCCCCGTGCCGCGCCCCCTGGGCCCGGCCGGCCTCCTGGCGCAGCCCTCGGGGGCC  
CGGGCACACCGTCCTCGCCCGGAGCGCAGAGGCGGACGCCCTACGAGTGGATGCGGCGCA  
GCGTGGCGGCCGAGGCGGCGGTGGCAGCGTAAGACTCGGACCAAGGACAAGTACCGCG  
TGGTCTACACCGACCACCAACGCCTGGAGCTGGAGAAGGAGTTTCATTACAGCCGTTACA  
TCACAATCCGGCGGAAATCAGAGCTGGCTGCCAATCTGGGGCTCACTGAACGGCAGTGA  
AGATCTGGTTCCAAAACCGCGGCAAAAGGAGCGCAAAGTGAACAAGAAGAAACAGCAGC  
AGCAACAGCCCCACAGCCGCGATGGCCACGACATCACGGCCACCCAGCCGGGCCAT  
CCCTGGGGGGCCTGTGTCCAGCAACACCAGCCTCCTGGCCACCTCCTCTCCAATGCCTG  
TGAAAGAGGAGTTTCTGCCATAGCCC
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001804 unedited</p> <pre> NGGAGGCGTTTTCAGATTTGTATACGACTCACTATAGGGCGGCCGCGATTCCGCCCTCCACC ATGTATGTGGGCTATGTGCTGGACAAGGATTCCGCCGTGTACCCCGGCCAGCCAGGCCA GCCAGCCTCGGCCTGGGCCCGCAAGCCTACGGCCCCCGGCCCGCCCGGCCCGCCCGC CAGTACCCGACTTCTCCAGTACTCTCACGTGGAGCCGGCCCCCGGCCCGCCCGACGGCC TGGGGGGCGCCCTTCCCTGCGCCCAAGGACGACTGGGCCGCGCCTACGGCCCCGGCCCC GGGCCCTGCCCGCAGCCAGCTTCCGCTGGCATTCCGGGCCCTCCAGACTTTAGCCCG GTGCCGGCGCCCTGGGCCCGGCCCGGCCCTCCGCGCAGCCCTCGGGGGCCCGGGC ACACCGTCTCGCCCGGAGCGCAGAGGGGACGCCCTACGAGTGGATGCGGCGCAGCGTG GCGGCCGAGGCGCGGTGGCAGCGTAAGACTCGGACCAAGGACAAGTACCGCGTGGTTC TACACCGACCAACGCCTGGAGCTGGAGAAGGAGTTTACATTACAGCCGTTACATCACA ATCCGGCGGAAATCAGAGCTGGCTGCCAATCTGGGGCTCACTGAACGGCANGTGAAGATC TGGTTCCAAAACCGCGGGCAAAGGAGCGCANAGTGAACAAGAAGAAACAGCAGCAGCAA CAGCCCCACAGCCGCCATGGCCACGACATCACGGCCACCCAGCCGGGCCATCCCTG GGGGCCGTGTCCCAGCAACACGACCTTCTGGCCACTTCTCTCCAAAGCCTGGTGAA AGAGGATTTTTGCCATAGCCCAAGGGCGAAATCAGATCTGGTACCG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001804 unedited</p> <pre> NGGGGCCTTTTGGNNGATGGCACTTNCAGNCCAGNAAAGCACTGGGGNAGGGTCACAG GGATGCCACCCGGGATCTGTTTCAGGAAACAGCTATGACCGCGGCCCAATCTAGAGTCA CAAGCTTGATATCGGTACCAGATCTGAATTCGCCCTTGGGCTATGGCAGAACTCCTCTT TCACAGGCATTGGAGAGGAGGTGGCCAGGAGGCTGGTGTGCTGGGACACAGGCCCCCA GGGATGGCCCGGCTGGGGTGGCCGTGATGTCGTGGGCCATCGGCGGCTGTGGGGGCTGTT GCTGCTGCTGTTCTTCTTGTTCCTTTGCGCTCCTTTGCCCGCGGTTTTGGAACCAGA TCTTACCTGCCGTTTCAGTGAGCCCAAGATTGGCAGCCAGCTCTGATTTCCGCCGGATTG TGATGTAACGGCTGTAATGAAACTCCTTCTCCAGCTCCAGGCGTTGGTGGTTCGGTGTAGA CCACGCGTACTTGTCTTGGTCCGAGTCTTACCCTGCCACCGCCGCTCCGGCCGCCA CGCTGCGCCGATCCACTCGTAGGGCGTCCGCCTCTGCGCTCCGGGCGAGGACGGTGTGC CCGGGCCCGGAGGGGCTGCGCCAGGAGGCCCGGGGCCGGGCCAGGGGGCGCCGGCACC GGGCTAAAGTCTGGAGGGGGCCGAATGCCAGCGAAGCTGGGCTGGCGGCAGGGGGCCGG GGGCCCGGGCGGTANGCGCGGCCAGTCGTCTTGGGCGCAGGAAAGGCGCCCCCAG GCCCGTCCGGGGCGGGGGCCGGCTCCAGTGAGAAATAGCTGGAATAATCCGGGTACTGCC GGGGCGCGGGGGCGGGGCCCGGGGGCGTAGCTTGGCGGCCAGGCCAG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001804
Insert Size:	800 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:	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:

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_001804.1](#), [NP_001795.1](#)

RefSeq Size: 1699 bp

RefSeq ORF: 798 bp

Locus ID: 1044

UniProt ID: [P47902](#)

Cytogenetics: 5q32

Protein Families: Transcription Factors

Gene Summary: This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded DNA-binding protein regulates intestine-specific gene expression and enterocyte differentiation. It has been shown to induce expression of the intestinal alkaline phosphatase gene, and inhibit beta-catenin/T-cell factor transcriptional activity. [provided by RefSeq, Jul 2008]