

## Product datasheet for **SC122588**

### CDX2 (NM\_001265) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDX2 (NM_001265) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDX2
Synonyms:	CDX-3; CDX2/AS; CDX3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_001265 edited
GGGACCGCTCGGAGGCAGAAGAGCCGCGAGGAGCCAGCGGAGCACCGCGGGCTGGGGCG
CAGCCACCCGCGCTCCTCGAGTCCCCTCGCCCCCTTCCCTTCGTGCCCCCGGCAGCCT
CCAGCGTCGGTCCCAGGCAGCATGGTGAAGTCTGCTCCCGGACCTCGCCACCATGTAC
GTGAGTACCTCCTGGACAAGGACGTGAGCATGTACCTAGTCCGTGCGCCACTCTGGC
GGCCTCAACCTGGCGCCGAGACTTCGTACCCCCCGCAGTACCCGGACTACGGCGGT
TACCACGTGGCGCCGAGCTGCAGCGGCAGCAACTTGGACAGCGCGCAGTCCCCGGGG
CCATCCTGGCCGCGAGGTATGGCGCCCCACTCCGGGAGGACTGGAATGGCTACGCGCCC
GGAGGCGCCGCGCCGCCCAACGCGGTGGCTCACGGCTCAACGGTGGCTCCCCGGCC
GCAGCCATGGGCTACAGCAGCCCCGAGACTACCATCCGCACCACCACCCGCATCACCAC
CCGCACCACCCGGCCGCCGCGCTTCTGCGCTTCTGGGCTGCTGCAAACGCTCAACCCC
GGCCCTCTGGGCCCGCCGCCACCCTGCCGCGGAGCAGTGTCTCCCGCGGCCAGCGG
CGGAACCTGTGCGAGTGGATGCGGAAGCCGGCGCAGCAGTCCCTCGGCAGCCAAGTGAAA
ACCAGGACGAAAGACAAATATCGAGTGGTGTACACGGACCACCAGCGGCTGGAGTGGAG
AAGGAGTTTCACTACAGTCGCTACATCACCATCCGGAGGAAAGCCGAGCTAGCCGCCACG
CTGGGGCTCTCTGAGAGGCAGGTTAAAACTGGTTTCAGAACCGCAGAGCAAAGGAGAGG
AAAATCAACAAGAAGAAGTTGCAGCAGCAACAGCAGCAGCAGCCACCACAGCCCGCTCCG
CCGCCACCACAGCCTCCCAGCCTCAGCCAGGTCTCTGAGAAGTGTCCAGAGCCCTTG
AGTCCGGTGTCTTCCCTGCAAGCCTCAGTGTCTGGCTCTGTCCCTGGGGTTCTGGGGCCA
ACTGGGGGGGTGCTAAACCCACCGTCACCCAGTGACCCACCGGGGTCTGCAGCGGCAGA
GCAATTCAGGCTGAGCCATGAGGAGCGTGGACTCTGCTAGACTCCTCAGGAGAGACCCC
TCCCCTCCACCCACAGCCATAGACCTACAGACCTGGCTCTCAGAGGAAAAATGGGAGCC
AGGAGTAAGACAAGTGGGATTTGGGGCCTCAAGAAATATACTCTCCAGATTTTTACTTT
TTCCCATCTGGCTTTTTCTGCCACTGAGGAGACAGAAAGCCTCCGCTGGGCTTCATTCCG
GACTGGCAGAAGCATTGCCTGGACTGACCACACCAACCAGGCCTTCATCCTCCTCCCGAG
CTCTTCTTCTAGATCTGCAGGCTACACCTCTGGCTAGAGCCGAGGGGAGAGAGGGAC
TCAAGGAAAGGCAAGCTTGAGGCCAAGATGGCTGCTGCCTGCTCATGGCCCTCGGAGGT
CCAGCTGGGCCTCCTGCCTCCGGGCAGGCAAGGTTTACACTGCGGAAGCCAAAGGCAGCT
AAGATAGAAAGCTGGACTGACCAAAGACTGCAGAACCCCAAGTGGCCTGCGTCTTTTTT
CTCTTCCCTTCCAGACCAGGAAAGCTTGGCTGGTGTATGCACAGGGTGTGGTATGAGG
GGGTGGTTATTGGACTCCAGGCCTGACCAGGGGGCCGAACAGGGACTTGTTTAGAGAGC
CTGTCACCAGAGCTTCTCTGGGCTGAATGTATGTCAAGTGTATAAATGCCAGAGCCAACC
TGGACTTCTGTCAATTTTCAATCTTGGGGCTGATGAAGAAGGGGGTGGGGGGAGTTTG
TGTTGTTGTTGCTGCTGTTTGGGTTGTTGGTCTGTGTAACATCCAAGCCAGAGTTTTTAA
AGCCTTCTGGATCCATGGGGGGAGAAGTGATATGGTGAAGGGAAGTGGGGAGTATTTGAA
CACAGTTGAATTTTTTCTAAAAAGAAAAGAGATAAATGAGCTTTCAGAAAAA
AAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_001265 unedited TTGAAGACGTCGGTATTGTATACGACTACTAAGGCGGCCGNAATTCGCACGGGGGGA CCGCCTCGGNAGCAGAAGAGCCGCGAGGAGCCAGCGGAGCACCGCGGGCTGGGGCGCAGC CACCCGCGCTCCTCGAGTCCCCTCGCCCTTTCCCTTCGTGCCCCCGGCAGCCTCCAG CGTCGGTCCCCAGGCAGCATGGTGAGGTCTGCTCCCGGACCCTCGCCACCATGTACGTGA GCTACCTCCTGGACAAGGACGTGAGCATGTACCCTAGCTCCGTGCGCCACTCTGGCGGCC TCAACCTGGCGCCGAGAACTTCGTACGCCCCCGCAGTACCCGGACTACGGCGGTTACC ACGTGGCGGCCGAGCTGCAGCGCGAGCAACTTGGACAGCGCAGTCCCCGGGGCCAT CCTGGCCGGCAGCGTATGGCGCCCCACTCCGGGAGGACTGGAATGGCTACGCGCCCGGAG GCGCCGCGGCCGCGCCAACGCCGTGGCTCACGGCCTCAACGGTGGCTCCCCGGCCGAG CCATGGGTACAGCAGCCCCGAGACTACCATCCGCACCACCACCCGCATCACCACCCGC ACCACCCGGCCGCGCCTTCTGCGCTTCTGGGCTGCTCAAACGCTCAACCCCGGCC CTCCTGGGCCCGCCACCGCTGCCGCCGAGCAGTGTCTCCCGCGGCCAGCGCGGGA ACCTGTGCGAGTGATGCGGAAGCCGGCGCAGCAGTCCCTCGGCAGCCAAGTGAAAACCA GGACGAAAGACAATATCGAGTGGTGTACACGGACCACCAGCGGCTGGAGCTGGAGAAGGA GTTTCACTACAGTCGCTACATCACCATCCGTAGGAAAGCCGAG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001265
<b>Insert Size:</b>	2108 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>	<a href="#">NM_001265.2</a> , <a href="#">NP_001256.1</a>
<b>RefSeq Size:</b>	2108 bp
<b>RefSeq ORF:</b>	942 bp
<b>Locus ID:</b>	1045
<b>UniProt ID:</b>	<a href="#">Q99626</a>
<b>Cytogenetics:</b>	13q12.2
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors

**Gene Summary:**

This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded protein is a major regulator of intestine-specific genes involved in cell growth and differentiation. This protein also plays a role in early embryonic development of the intestinal tract. Aberrant expression of this gene is associated with intestinal inflammation and tumorigenesis. [provided by RefSeq, Jan 2012]