

Product datasheet for **RC204883**

CDX2 (NM_001265) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDX2 (NM_001265) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDX2
Synonyms:	CDX-3; CDX2/AS; CDX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204883 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACGTGAGCTACCTCCTGGACAAGGACGTGAGCATGTACCCTAGCTCCGTGCGCCACTCTGGCGGCC
TCAACCTGGCGCCGAGAACTTCGTGAGCCCCCGCAGTACCCGGACTACGGCGGTTACCACGTGGCGGC
CGCAGCTGCAGCGGCAGCGAACTTGGACAGCGCGCAGTCCCCGGGGCCATCCTGGCCGGCAGCGTATGGC
GCCCCACTCCGGGAGGACTGGAATGGCTACGCGCCCGGAGGCGCCGCGGCCCGCCCAACGCCGTGGCTC
ACGGCCTCAACGGTGGCTCCCCGGCCGAGCCATGGGCTACAGCAGCCCCGAGACTACCATCCGCACCA
CCACCCGATCACCACCCGACCAACCCGGCCGCCGCGCCTTCTGCGCTTCTGGGCTGCTGCAAACGCTC
AACCCCGGCCCTCCTGGGCCCGCCGACCCGCTGCCGCCGAGCAGCTGTCTCCCGCGGCCAGCGCGCGGA
ACCTGTGCGAGTGGATGCGGAAGCCGGCGCAGCAGTCCCTCGGCAGCCAAGTAAAAACAGGACGAAAGA
CAAATATCGAGTGGTGTACACGGACCACAGCGGCTGGAGCTGGAGAAGGAGTTTCACTACAGTCGCTAC
ATCACCATCCGGAGGAAAGCCGAGCTAGCCGCCACGCTGGGGCTCTGTGAGAGCAGGTTAAATCTGGT
TTCAGAACCGCAGAGCAAAGGAGAGGAAAATCAACAAGAAGAAGTTCAGCAGCAACAGCAGCAGCAGCC
ACCACAGCCGCTCCGCCGCCACCACAGCCTCCCAGCCTCAGCCAGGTCCTCTGAGAAGTGTCCAGAG
CCCTTGAGTCCGGTGTCTCCCTGCAAGCCTCAGTGTCTGGCTCTGTCCCTGGGTTCTGGGGCCAACTG
GGGGGTGCTAAACCCACCGTCACCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001265.5](#)

RefSeq Size: 2370 bp

RefSeq ORF: 942 bp

Locus ID: 1045

UniProt ID: [Q99626](#)

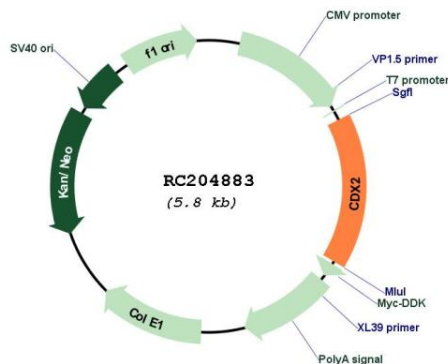
Cytogenetics: 13q12.2

Protein Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors

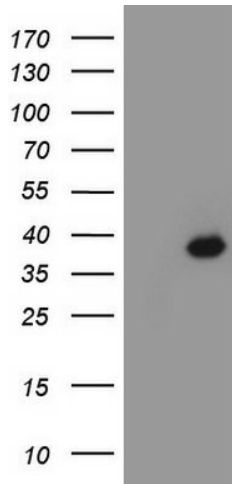
MW: 33.5 kDa

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]

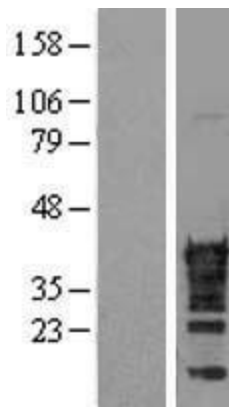
Product images:



Circular map for RC204883



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CDX2 (Cat# RC204883, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CDX2 (Cat# [TA802666]). Positive lysates [LY420044] (100ug) and [LC420044] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY420044]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204883 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).