

Product datasheet for **RG204883**

CDX2 (NM_001265) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDX2 (NM_001265) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDX2
Synonyms:	CDX-3; CDX2/AS; CDX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204883 representing NM_001265 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACGTGAGCTACCTCCTGGACAAGGACGTGAGCATGTACCCTAGCTCCGTGCGCCACTCTGGCGGCC
TCAACCTGGCGCCGAGAACTTCGTGAGCCCCCGCAGTACCCGGACTACGGCGGTTACCACGTGGCGGC
CGCAGCTGCAGCGGCAGCGAACTTGGACAGCGCGCAGTCCCCGGGGCCATCCTGGCCGGCAGCGTATGGC
GCCCCACTCCGGGAGGACTGGAATGGCTACGCGCCCGGAGGCGCCGCGGCCGCCCAACGCCGTGGCTC
ACGGCCTCAACGGTGGCTCCCCGCGCCAGCCATGGGCTACAGCAGCCCCGAGACTACCATCCGCACCA
CCACCCGATCACCACCCGCACCACCCGGCCGCCGCGCCTTCTGCGCTTCTGGGCTGCTGCAAACGCTC
AACCCCGGCCCTCCTGGGCCCGCCGCCACCGCTGCCGCCGAGCAGCTGTCTCCCGCGGCCAGCGCGCGGA
ACCTGTGCGAGTGGATGCGGAAGCCGGCGCAGCAGTCCCTCGGCAGCCAAGTAAAAACAGGACGAAAGA
CAAATATCGAGTGGTGTACACGGACCACAGCGGCTGGAGCTGGAGAAGGAGTTTCACTACAGTCGTAC
ATCACCATCCGGAGGAAAGCCGAGCTAGCCGCCACGCTGGGGCTCTGTGAGAGCAGGTTAAATCTGGT
TTCAGAACCGCAGAGCAAAGGAGAGGAAAATCAACAAGAAGAAGTGCAGCAGCAACAGCAGCAGCAGCC
ACCACAGCCGCTCCGCCGCCACCACAGCCTCCCAGCCTCAGCCAGGTCTCTGAGAAGTGTCCAGAG
CCCTTGAGTCCGGTGTCTCCCTGCAAGCCTCAGTGTCTGGCTCTGTCCCTGGGTTCTGGGGCCAACTG
GGGGGTGCTAAACCCACCGTCACCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204883 representing NM_001265
 Red=Cloning site Green=Tags(s)

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MYVSYLLDKDVSMPSSVRHSGGLNLPQNFVSPPPQYDPYGGYHVAAAAAAAAANLDSAQSPGPSWPAAYG
APLREDWNGYAPGGAAAAANAVAHGLNNGSPAAAMGYSSPADYHPHHHPHHHPHHPAAAPSCASGLLQTL
NPGPPGPAATAAAEQLSPGGQRRNLCEWMRKPAQQSLGSQVKTRTKDKYRVVYTDHQRLELEKEFHYSRY
ITIRKAEALATLGLSERQVKIWFQNRRAKERKINKKKLQQQQQQPPPPPPPPPPPPPPQPPQPGPLRSVPE
PLSPVSSLQASVSGSVPGVLGPTGGVLNPTVTQ
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001265

ORF Size: 939 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001265.5](#)

RefSeq Size: 2108 bp

RefSeq ORF: 942 bp

Locus ID: 1045

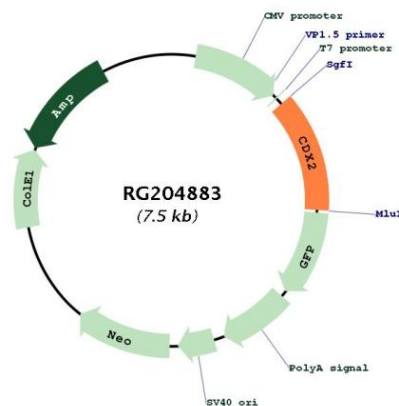
UniProt ID: [Q99626](#)

Cytogenetics: 13q12.2

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

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 RG204883