

Product datasheet for **RG220111**

CDX1 (NM_001804) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: CDX1 (NM_001804) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: CDX1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG220111 representing NM_001804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTATGTGGGCTATGTGCTGGACAAGGATTCGCCCGTGTACCCCGGCCAGCCAGGCCAGCCAGCCTCG
 GCCTGGGCCCACAAGCCTACGGCCCCCGGCCCGCCCCGGCGCCCCCGCAGTACCCGACTTCTCCAG
 CTACTCTACGTGGAGCCGGCCCCCGCGCCCCGACGGCCTGGGGGGCGCCCTTCCCTGCGCCCAAGGAC
 GACTGGGCGCCGCCTACGGCCCCGGCCCCCGGCCCTGCCGCCAGCCAGCTTCGCTGGCATTCCGGC
 CCCCTCCAGACTTAGCCCGGTGCCGGCGCCCCCTGGGCCCGGCCGGCCCTCCTGGCGCAGCCCTCGG
 GGGCCCCGGGCACACCGTCTCGCCCGGAGCGCAGAGGCGGACGCCCTACGAGTGGATGCGGCGCAGCGTG
 GCGGCCGGAGGCGCGGTGGCAGCGTAAGACTCGGACCAAGGACAAGTACCGCGTGGTCTACACCGACC
 ACCAACGCCTGGAGCTGGAGAAGGAGTTTCATTACAGCCGTTACATCACAATCCGGCGGAAATCAGAGCT
 GGCTGCCAATCTGGGGCTCACTGAACGGCAGGTGAAGATCTGGTTCCAAAACCGGCGGGCAAAGGAGCGC
 AAAGTGAACAAGAAGAAACAGCAGCAGCAACAGCCCCACAGCCCGCGATGGCCACGACATCACGGCCA
 CCCAGCCGGGCATCCCTGGGGGCTGTGTCCAGCAACACCGCCTCCTGGCCACCTCTCTCAAT
 GCCTGTGAAAGAGGAGTTTCTGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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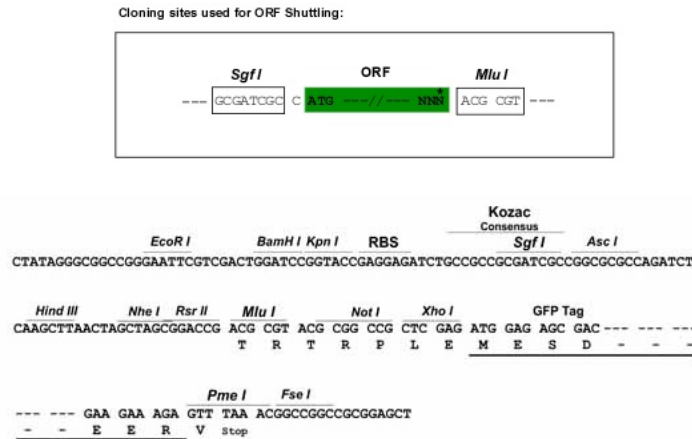
Protein Sequence: >RG220111 representing NM_001804
Red=Cloning site Green=Tags(s)

MYVGYVLDKDSPVYPGPARPASLGLGPQAYGPPAPPAPPQYPDFSSYSHVEPAPAPPTAWGAPFPAPKD
 DWAAAYGPGPAAPAASLASLAFGPPPDFSPVPAPPGPGPGLLAQPLGGPGTPSSPGAQRRTPEYWMRRSV
 AAGGGGSGKTRTKDKYRVVYTDHQRLLEKEFHYSRYITIRRKSELANLGLTERQVKIWFQNRRAKER
 KVNKKKQQQQPPQPPMAHDITATPAGPSLGGCLPSNTSLLATSSPMPVKEEFLP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001804

ORF Size: 795 bp

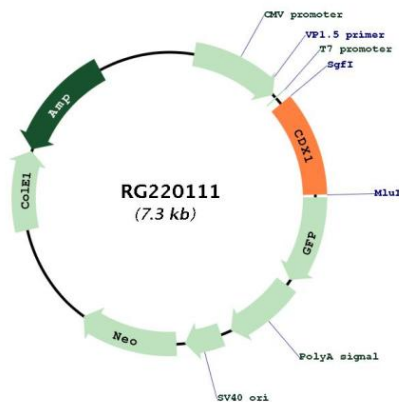
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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]

Product images:



Circular map for RG220111