OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR226646

Cdx2 (NM_007673) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdx2 (NM_007673) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdx2
Synonyms:	Cdx-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR226646 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTACGTGAGCTACCTTCTGGACAAGGACGTGAGCATGTATCCTAGCTCCGTGCGCCACTCCGGCGGCC
TGAACCTGGCTCCGCAGAACTTTGTCAGTCCTCCGCAGTACCCGGACTACGGTGGTTACCACGTGGCGGC
CGCGGCGGCTGCTACGGCGAACTTGGACAGCGCTCAGTCCCCAGGGCCATCCTGGCCCACCGCGTACGGC
GCCCCTCTCCGCGAGGACTGGAATGGCTACGCACCCGGGGGCGCTGCGGCAGCCAACGCGGTAGCCCACG
GTCTCAATGGTGGCTCCCCGGCCGCCGCTATGGGCTACAGCAGCCCCGCCGAATACCACGCGCACCATCA
CCCGCATCATCACCCGCACCATCCGGCCGCCTCGCCGTCCTGCGCCTCCGGCTTGCTGCAGACGCTCAAC
CTCGGCCCCCCGGGGCCCGCAGCCACCGCCGCCGCCGAACAGCTGTCCCCCAGCGGCCAGCGGCGAAACC
TGTGCGAGTGGATGCGGAAGCCCGCGCAGCAGTCCCTAGGAAGCCAAGTGAAAACCAGGACAAAAGACAA
ATACCGGGTGGTGTACACAGACCATCAGCGGCTGGAGCTGGAGAAGGAGTTTCACTTTAGTCGATACATC
ACCATCAGGAGGAAAAGTGAGCTGGCTGCCACACTTGGGCTCTCCGAGAGGCAGGTTAAAATTTGGTTTC
AGAACCGCAGAGCCAAGGAGAGGAAAATCAAGAAGAAGCAGCAGCAGCAACAGCAGCAGCAGCAACAACA
GCCTCCACAGCCGCCGCCACAACCTTCCCAGCCTCAGCCGGGTGCCCTGCGGAGCGTGCCGGAGCCCTTG
AGTCCTGTGACCTCCTTGCAAGGCTCAGTGCCTGGTTCTGTCCCTGGGGTTCTGGGGCCAGCTGGAGGGG
TTTTAAACTCCACTGTCACCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

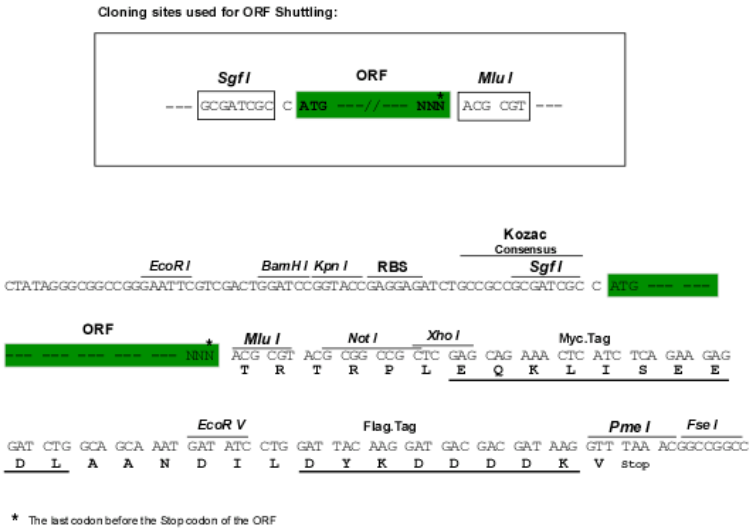
>MR226646 protein sequence
Red=Cloning site Green=Tags(s)

MYVSYLLDKDVSMYPSSVRHSGGLNLAPQNFVSPPQYPDYGGYHVAAAAAATANLDSAQSPGPSWPTAYG
APLREDWNGYAPGGAAAANAVAHGLNGGSPAAAMGYSSPAEYHAHHHPHHHPHHPAASPSCASGLLQTLN
LGPPGPAATAAAEQLSPSGQRRNLCEWMRKPAQQSLGSQVKTRTKDKYRVVYTDHQRLELEKEFHFSRYI
TIRRKSELAATLGLSERQVKIWFQNRRAKERKIKKKQQQQQQQQQQQPPQPPPQPSQPQPGALRSVPEPL
SPVTSLQGSVPGSVPGVLGPAGGVLNSTVTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007673

ORF Size: 936 bp

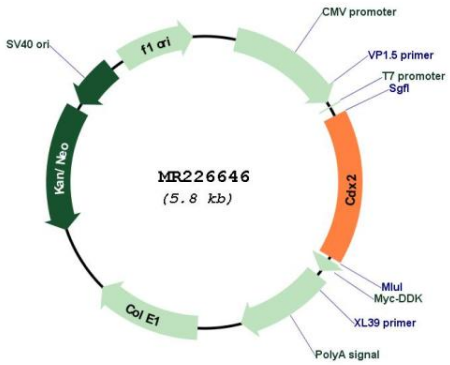
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	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_007673.1, NM_007673.2, NM_007673.3, NP_031699.2
RefSeq Size:	2145 bp
RefSeq ORF:	936 bp
Locus ID:	12591
UniProt ID:	P43241
Cytogenetics:	5 86.86 cM
MW:	33.5 kDa
Gene Summary:	Involved in the transcriptional regulation of multiple genes expressed in the intestinal epithelium. Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine. Binds preferentially to methylated DNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226646