

Product datasheet for **RR200928**

Cdx4 (NM_001106942) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdx4 (NM_001106942) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cdx4
Synonyms: RGD1561529
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200928 representing NM_001106942
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTATGGAAGCTGCCTTTTAGAAAAAGAAGCGGGAATGTACCCAGGCACTCTCAGGAACCTGGAGGAG
 GCAGCACAGCCGGAGTGGGCACCTCTGGGGCAGTGGTAGTCCTCTGCCTGCCTCAACTTTACTGCAGC
 CCCAGTTTACCCACACTACATGGGGTATCCACATATGTCCAACATGGATCCTCAGGGCCTTCGCTGGGA
 GCCTGGAGCTCACCTACAGTCCGCCCGGGAAGACTGGAGTACATACCCTGGGCGTCCAGCACAAATGG
 GCACAGTGCCCATGAACGACATGACCTCGAGCTCCCCAGCTTTTCGGCTCCCAGACTACAGCACTCTGGG
 CCCCCTGGCGGTGCAGGCGGTGCAAGCAACGGCGGTAGCCTGCCAGACGCGGCCAGCGAGTCACTGGTT
 TCCATCGACTCAGGCACCTCTGGCGGCCCACTTCTCCCAGCAGGAGCCGCCACAGCCCCACGCGTGGG
 TGCGCAAGACTGTGCAGGTGACCGGAAAACCAGGACAAAAGAAAAGTATCGTGTGGTCTACACGGATCA
 TCAAAGGCTGGAGCTGAAAAGGAATTTCACTGCAATAGATACATTACCATCCGGAGGAAGTCAGAGCTG
 GCAGTTAACCTGGCCTTTCTGAGAGACAGGTGAAAATCTGGTTTCAGAATCGCAGAGCCAAGGAGAGGA
 AGATGATCAAAAAGAAAATCTCCAGTTTGAGAACAGTGGAGGTTCCGTGCAAAGTGACTCTGGCTCCAT
 CAGCCCCGGAGAACTGCCTAATGCTTTCTTACCACCTCCATCTGCTGTCCGTGGGTTTCAGCCAATTGAG
 ATACAGCAGGTCATAATTTCTGAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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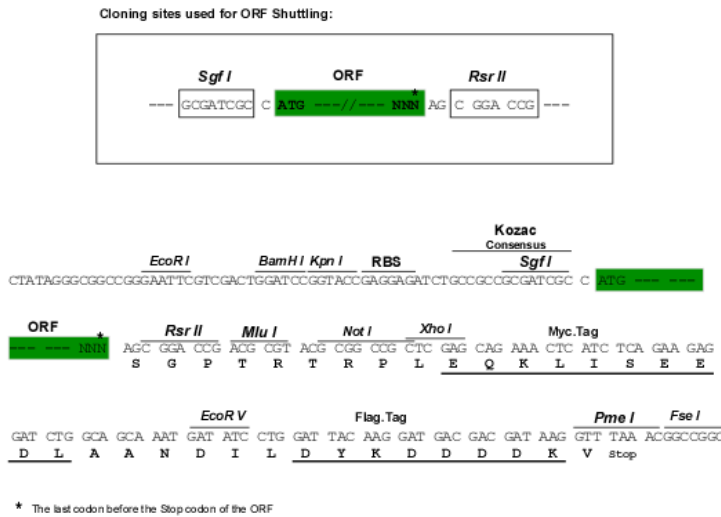
Protein Sequence: >RR200928 representing NM_001106942
 Red=Cloning site Green=Tags(s)

MYGSCLEKEAGMYPGTLRNPGGGSTAGVGTSGGSGSPLPASNFTAAPVYPHYMGYPHMSNMDPHGPSLG
 AWSSPYSPREDWSTYPGPSSTMGTVPMNDMTSSSPAFGSPDYSTLGPTGGAGGASNGGSLPDAASESLV
 SIDSGTSGGATSPSRSRHSPYAWMRKTQVVTGKTRTKEKYRVVYTDHQRLLELEKEFHCRNYITIRKSEL
 AVNLGLSERQVKIWFQNRRAKERKMIKKKISQFENSGGSVQSDSGSISPGELPNAFFTTPSAVRGFQPIE
 IQQVIISE

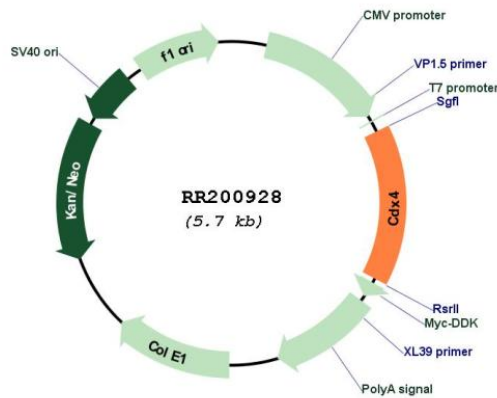
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106942

ORF Size: 864 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_001106942.1](#), [NP_001100412.1](#)

RefSeq Size: 1615 bp

RefSeq ORF: 867 bp

Locus ID: 302400

Cytogenetics: Xq22

MW: 30.8 kDa