

Product datasheet for MR223386

Cdx4 (NM_007674) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Cdx4 (NM_007674) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Cdx4 |
| Synonyms: | Cdx-3; Cdx-4; Cdx3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR223386 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATGGAAGCTGCCTTTTAGAAAAAGAAGCGGGCATGTACCCAGGCACTCTCAGGAGCCCTGGAGGAA
GCAGTACAGCCGGAGTGGGCACCTCTGGGGCAGTGGTAGTCCTCTGCCTGCCCTCAACTTTACTGCAGC
CCCAGTTTACCCACACTACGTGGGTTACCCTCATATGTCCAACATGGATCCTCACGGCCCTTCGCTGGGA
GCCTGGAGCTCACCTACAGTCCGCCCGGAAGACTGGAGTACATACCCTGGCCGCCAGTACAATGG
GCACAGTGCCCATGAATGACATGACCTCCCAGTTTTTCGGATCCCAGACTACAGCACTCTGGGCCCCAC
CAGCGGTGCAAGCAACGGCGGTAGCTTGCCAGACGCGCCAGCGAGTCACTGGTTTTCTTACTCCGGC
ACCTCAGGCGCCACTTCTCCCAGCAGGACCGTACAGCCCTACGCATGGATGCGCAAAACTGTGCAGG
TGACGGGAAAACCAGGACAAAAGAAAAGTATCGTGTGGTCTACACAGATCATCAACGGCTGGAGCTGGA
AAAGGAATTTCACTGCAATAGATACATCACCATCAGGAGGAAGTCAAGAGCTGGCAGTTAACTGGGCCTT
TCTGAGAGACAGGTGAAAATCTGGTTTCAGAATCGCAGAGCCAAGGAGAGGAAGATGATAAAAAAGAAA
TCTCCAGTTTGAGAACACTGGAGGTTCCGTGCAAAGTACTCTGGCTCCATCAGCCCGGAGAAGTCC
TAACGCTTCTTACCACCTCCATCTGCTGTCGGTGGATTCAGCCAATCGAGATACAGCAGGTCATAGTT
TCTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223386 protein sequence
Red=Cloning site Green=Tags(s)

MYGSCLLEKEAGMYPGTLRSPGGSSTAGVGTSGGSGSPLPASNFTAAPVPHYVGYPHMSNMDPHGPSLG
 AWSSPYSPPREDWSTYGPSTMGTVPMNDMTSPVFGSPDYSTLGPTSGASNGGSLPDAASESLVSLDSG
 TSGATSPSRSRHSPYAWMRKTQVTGKTRTKEKYRVVYTDHQRLLELEKEFHCRNYITIRRKSELAVNLGL
 SERQVKIWFQNRRAKERKMIKKKISQFENTGGSVQSDSGSISPGLPNAFFTTPSAVRGFQPIEIQQVIV
 SE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_007674

ORF Size: 849 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_007674.3](#), [NP_031700.1](#)

RefSeq Size: 1595 bp

RefSeq ORF: 849 bp

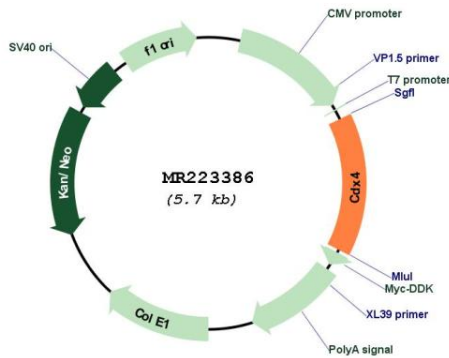
Locus ID: 12592

UniProt ID: [Q07424](#)

Cytogenetics: X 46.06 cM

MW: 30.5 kDa

Product images:



Circular map for MR223386