

Product datasheet for **MG223386**

Cdx4 (NM_007674) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Cdx4 (NM_007674) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Cdx4 |
| Synonyms: | Cdx-3; Cdx-4; Cdx3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG223386 representing NM_007674 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATGGAAGCTGCCTTTTAGAAAAAGAAGCGGGCATGTACCCAGGCACTCTCAGGAGCCCTGGAGGAA
GCAGTACAGCCGGAGTGGGCACCTCTGGGGCAGTGGTAGTCCTCTGCCTGCCCTCAACTTTACTGCAGC
CCCAGTTTACCCACACTACGTGGGTTACCCTCATATGTCCAACATGGATCCTCACGGCCCTTCGCTGGGA
GCCTGGAGCTCACCTACAGTCCGCCCCGGAAGACTGGAGTACATACCCTGGCCGCCAGTACAATGG
GCACAGTGCCCATGAATGACATGACCTCCCGATTTTCGGATCCCAGACTACAGCACTCTGGGCCCCAC
CAGCGGTGCAAGCAACGCGGTAGCTTGCCAGACGCGCCAGCGAGTCACTGGTTTCTCTTGACTCCGGC
ACCTCAGGCGCCACTTCTCCAGCAGGACCGTACAGCCCTACGCATGGATGCGCAAAACTGTGCAGG
TGACGGGAAAACCAGGACAAAAGAAAAGTATCGTGTGGTCTACACAGATCATCAACGGCTGGAGCTGGA
AAAGGAATTTCACTGCAATAGATACATCACCATCAGGAGGAAGTCAAGAGCTGGCAGTTAACCTGGGCCTT
TCTGAGAGACAGGTGAAAATCTGGTTTCAGAATCGCAGAGCCAAGGAGAGGAAGATGATAAAAAAGAAA
TCTCCAGTTTGAGAACTGGAGGTTCCGTGCAAAGTGACTCTGGCTCCATCAGCCCCGGAGAAGTCC
TAACGCTTTCTTCACTCCATCTGCTGTCGGTGGATTCAGCCAATCGAGATACAGCAGGTCATAGTT
TCTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223386 representing NM_007674
Red=Cloning site Green=Tags(s)

MYGSCILLEKEAGMYPGTLRSPGGSSTAGVGTSGGSGSPLPASNFTAAPVYPHYVGYPHMSNMDPHGPSLG
 AWSSPYSPREDWSTYPGPPSTMGTVPMDMTSPVFGSPDYSTLGPTSGASNGGSLPDAASESLVSLDSG
 TSGATSPSRSRHSPYAWMRKTQVTGKTRTKEKYRVVYTDHQRLLELEKEFHENRYITIRRKSELAVNLGL
 SERQVKIWFQNRRAKERKMIKKKISQFENTGGSVQSDSGSISPGELPNAFFTTPSAVRGFQPIEIIQQVIV
 SE

TRTRPLE - GFP Tag - V

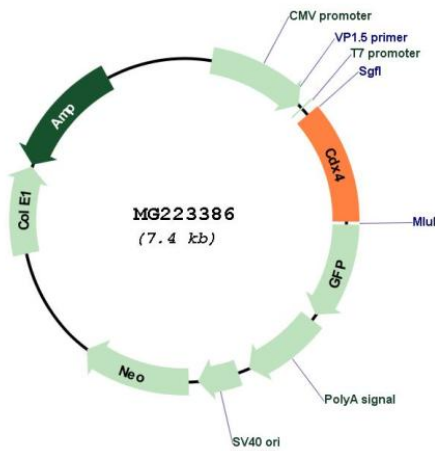
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_007674

ORF Size: 846 bp

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| 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: | <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_007674.3 , NP_031700.1 |
| RefSeq Size: | 1595 bp |
| RefSeq ORF: | 849 bp |
| Locus ID: | 12592 |
| UniProt ID: | Q07424 |
| Cytogenetics: | X 46.06 cM |