

Product datasheet for MR223513

Chchd2 (NM_024166) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chchd2 (NM_024166) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Chchd2
Synonyms: AL033347; Etohi6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR223513 representing NM_024166
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCGCGTGAAGCCGAAGCCGCACTTCCCGGGTGACTCCTCCGGCCAGCCGGGCCCTCAGATGAGGG
 CTGCTCCCGAAGAGCACCTGCAGCTCAGCCTCCAGCAGCAGCTGCGCCATCTGCAGTTGGCTCACCTGC
 CGCTGCGCCCCGGCAGCCAGGCCTGATGGCCAGATGGCTACCACCGCGCCGGTGTGGCTGTGGGCTCT
 GCAGTGGGACACACCCTGGGTACGCCATCACTGGGGCTTCAGCGGAGGTGGCAGTGTGAGCCCGCAA
 AGCCCGACATCACTTACCAGGAGCCTCAGGGAGCCAGCTGCAGAACCAGCAGTCTTTGGACCTTGCTC
 TCTAGAGATCAAGCAGTTTCTGGAGTGTGCTCAGAACCAGAGCGATGTCAAGCTCTGTGAGGGCTTCAAC
 GAGGTGCTGCGGCAGTGCAGGATTGCAAATGGTTAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223513 representing NM_024166
 Red=Cloning site Green=Tags(s)
 MPRGSRSRTPPASRAPQMRAAPRRAPAAQPPAAAAPSAVGSPPAAPRQPGLMAQMATTAAAGVAVGS
 AVGHTLGHAITGGFSGGSAEPAKPDITYQEPQGAQLQNNQSFQPCSLAIKQFLECAQNQSDVKLCEGFN
 EVLRQCRIANGLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9050_b01.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024166

ORF Size: 462 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_024166.6](#), [NP_077128.2](#)

RefSeq Size: 910 bp

RefSeq ORF: 462 bp

Locus ID: 14004

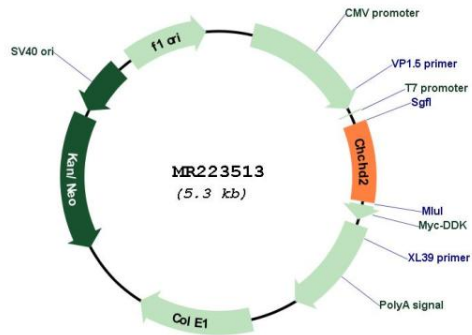
UniProt ID: [Q9D1L0](#)

Cytogenetics: 5 G1.3

MW: 15.7 kDa

Gene Summary: Transcription factor. Binds to the oxygen responsive element of COX4I2 and activates its transcription under hypoxia conditions (4% oxygen), as well as normoxia conditions (20% oxygen).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223513