

Product datasheet for **MG223513**

Chchd2 (NM_024166) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chchd2 (NM_024166) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Chchd2
Synonyms: AL033347; Etohi6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223513 representing NM_024166
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCGTGAAGCCGAAGCCGCACTTCCCGGTGACTCCTCCGGCCAGCCGGGCCCTCAGATGAGGG
CTGCTCCCGAAGAGCACCTGCAGCTCAGCCTCCAGCAGCAGCTGCGCCATCTGCAGTTGGCTCACCTGC
CGCTGCGCCCGGAGCCAGGCTGATGGCCAGATGGCTACCACCGCGCCGGTGTGGCTGTGGGCTCT
GCAGTGGGACACACCCTGGTCAAGCCATCACTGGGGCTTCAAGCGAGGTGGCAGTGTGAGCCCGCAA
AGCCCGACATCACTTACCAGGAGCCTCAGGGAGCCAGCTGCAGAACCAGCAGTCTTTGGACCTTGCTC
TCTAGAGATCAAGCAGTTTCTGGAGTGTGCTCAGAACCAGAGCGATGTCAAGCTCTGTGAGGGCTTCAAC
GAGGTGCTGCGGAGTGCAGGATTGCAAAATGGTTAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223513 representing NM_024166
Red=Cloning site Green=Tags(s)
MPRGRSRSRTPASRAPQMRAAPRRAPAAQPPAAAAPSAVGSPAAAPRQPGLMAQMATTAAAGVAVGS
AVGHTLGHAITGGFSGGSAEPAKPDITYQEPQGAQLQNGQSFGPCSLEIKQFLECAQNQSDVKLCEGFN
EVLQRQRIANGLM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

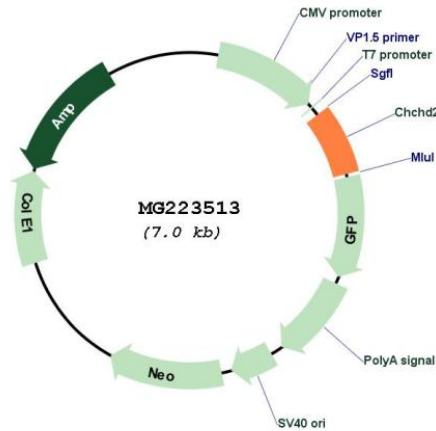


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Cloning Scheme:



Plasmid Map:



ACCN: NM_024166

ORF Size: 459 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:	<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:	<u>NM_024166.6, NP_077128.2</u>
RefSeq Size:	910 bp
RefSeq ORF:	462 bp
Locus ID:	14004
UniProt ID:	<u>Q9D1L0</u>
Cytogenetics:	5 G1.3
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]