

Product datasheet for **MR230621**

Chdh (NM_172264) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chdh (NM_172264) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chdh
Synonyms:	AU041472; D630034H06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230621 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCAGGTCCTTAGAGGCTGGAGAAAGGATGGCAGAGCCCAGTGGAGCCCTGGCATGGGCTGTGC
 AGGGCCAGCCATGCCCCCTTGCAGCCGCTGTTGCCAGTGTGGCAAGGATGAGTACACCTTTGTGGT
 GGTGGGCGCAGGCTCTGTGCTGTGTGCTGGCTAGTCGGCTCACCGAGGACCCGAATCATCGGGTCTG
 CTGCTAGAGGCAGGACCTAAGGACTTGTGATGGGGAGCAAGCGCTTCAGTGGAAAGATCCACATGCCGG
 CTGCCCTTGTGTCCAACCTGTGTGATGACAAATACAACCTGGTACTATCACACTGAGCCTCAGCCCGCAT
 GGACAGTCGCGTGTACTGGCCACGAGGCGGGTCTGGGGTGGCTCCTCATCCCTCAATGCCATGGTC
 TACATCCGAGGACACGCCGAGGACTATAACCGCTGGCACCCTGAAGGTGTGAGGGTTGGGACTATGCAC
 ACTGCCTGCCCTACTTCCGAAGGCGCAGAGACATGAGCTGGGTGCCAATATGTACCGCGTGGGGATGG
 CCCACTGCATGTGTCTCGGGCAAGACCAACCACCGCTTACCAGGCCCTCCTGCAGGCAGCACGTGAG
 GCTGGCTACCCCTTCACTGAAGACATGAATGGCTTCCAACAGGAGGGCTTCGGCTGGATGGACATGACTG
 TCCACCAAGGGAAGCGCTGGAGCACAGCCTGCGCCTACTTGCACCCGGTGTGAGCCGCCCAACCTCAG
 GGCCGAGGTCCAGACACTTGAAGCAGAGTGTGTTTGGAGGCACCCGTGCAGTAGGTGTGGAGTACATC
 AAGGACGGCCAGAGACACAAGGCTTACGTCAGCAGGGAGGTGATCCTGAGCGGGGAGCCATCAACTCTC
 CACAGTGTCTCATGTCTCTGGCGTTGGCAATGCAGATGACCTCAGGAACTGGATATCCCTGTGGTGTG
 CCACCTGCCTGGAGTTGGGCAGAACCTGCAGGACCCTGGAGGTCTACGTTACAGCAAGCGTGCACACAG
 CCCACTCACCTCCACTTGCCCAGAAGCCTCTCGGGAAGTCTGCATCGGCTGGAGTGGCTCTGGAGCT
 ACACAGGGGACGGAGCCACAGCCCATCTTGAGACCGGAGGGTTCATCCGCAGCCGACTGGGGTCCCTCA
 TCCGGACATCCAGTTCCTTCCCTGCCATCGCAAGTGATTGACCATGGGCGGAAACCCACCCAGCAGGAA
 GCTTACCAGGTGCACGTGGGAACCATGAGGGCCACAAGTGTGGGCTGGCTGAAACTGAGAAGTGCACAC
 CCCGGGACCACCTGTGATCCATCCCACTACTTGTCAACAGAAACCGATGTCGAGGACTCCGTCAGTG
 TGTGAGGCTGTCACGAGAAATTTTGGCCAGGAAGCCTTGGCTCCATTCGGGGAAAAGAGCTGCAGCCC
 GGAAGCCACGTCCAGTCAGACAAAGAGATAGATGCCTTTGTGCGGGCAAAAGCAGACAGTGTACCACC
 CCTCGTGCACCTGTAAGATGGGCCGCTCTGACCCACTGCCGTGTTGACGCGCAAACCAAGGTGAT
 CGGCGTAGAAAACCTCAGGGTCGTTGATGCCTCCATCATGCCAGCGTGGTCAGCGGCAACCTGAACGCT
 CCCACGGTAATGATTGCAGAGAAAGCAGCCGACATTATAAGGGACACCTGCACCTTGGGACAAGAATG
 TTCTGTCTACAAGCCCCAGACTCTGGACACCCAGCGT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230621 protein sequence
 Red=Cloning site Green=Tags(s)

MWQVLRGWRKGWQSPRGALAWAVQGQPCPPCSRAVASVGKDEYTFVVVGAGSAGCVLASRLTEDPNHRVL
 LLEAGPKDLLMGSKRLQWKIHMPAALVSNLCDDKYNWYYHTEPQPGMDSRVLWYPRGRVWGGSSSLNAMV
 YIRGHAEDYNRWHREGAEGWDYAHCLPYFRKAQRHELGANMYRGGDGPLHVSRGKTNHPLHQAFLQAARQ
 AGYPFTEDMNGFQQEGFGWMDMTVHQGKRWSTACAYLHPVLSRPNLRAEVQTLVSRVLFEGTRAVGVEYI
 KDGQRHKAYVSREVILSGGAINSPQLMLSGVGNADDLRKLDIPVVCHLPGVQNLQDHLEVVYVQACTQ
 PITLHSAQKPLRKVCIGLEWLWSYTDGATAHLETGGFIRSRRPGVPHPDIQFHFLPSQVIDHGRKPTQQE
 AYQVHVTMRATSVGWLKLRSANPRDHPVIHPNYLSTETDVEDFRQCVRLSREIFAQEALAPFRGKELQP
 GSHVQSDKEIDAFVRAKADSAYHPSCCKMGRSSDPTAVVDAQTKVIGVENLRVVDASIMPSVSVGNLNA
 PTVMIAEKAADIKGHPALEDKNVPVYKPTLDTQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_172264

ORF Size: 1788 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_172264.2](#), [NP_758468.2](#)

RefSeq Size: 5450 bp

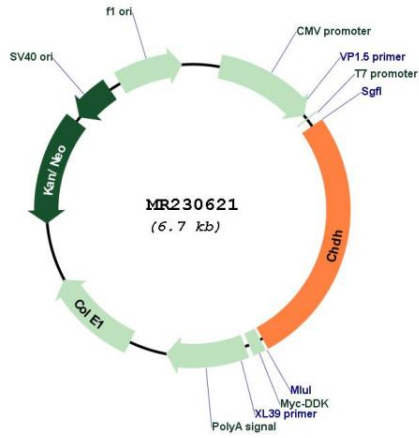
RefSeq ORF: 1791 bp

Locus ID: 218865

UniProt ID: [Q8BJ64](#)

Cytogenetics: 14 B
 MW: 66.4 kDa

Product images:



Circular map for MR230621