

Product datasheet for **MR226538**

Chdh (NM_175343) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chdh (NM_175343) 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:

>MR226538 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCAGGCCCTTAGAGGCTGGAGAAAGGATGTCAGAGCCCACGTGGAGCCCTGGCATGGGCTGTGC
 GGGCCAGCCATGCCCCCTTGCAGCCGCTGTTGCCAGTGTGGCAAGGATGAGTACACCTTTGTGGT
 GGTGGGCGCAGGCTCTGTGCTGTGTGCTGGCTAGTCGGCTCACCGAGGACCCGAATCATCGGGTGTG
 CTGCTAGAGGCAGGACCTAAGGACTTGTGATGGGGAGCAAGCGCTTCAGTGGAAAGATCCATATGCCGG
 CTGCCCTTGTGTCCAACCTGTGTGATGACAAATACAACCTGGTACTATCACACTGAGCCCCAGCCGGCAT
 GGACAGTCGCGTGTACTGGCCACGAGGCGGGTCTGGGGCGGCTCCTCATCCCTCAATGCCATGGTC
 TACATCCGAGGACACGCCGAGGACTATAACCGCTGGCACCGTGAAGGTGTGAGGGTTGGGACTATGCAC
 ACTGCCTGCCCTACTTCCGAAGGCGCAGAGACATGAGCTGGGTGCCAATATGTACCGTGGTGGGATGG
 CCCACTGCATGTGTCTCGGGCAAGACCAACCACCGCTTACCAGGCCCTCCTGCAGGCAGCACGTGAG
 GCTGGCTACCCCTTCACTGAAGACATGAATGGTTCCAACAGGAGGGCTTCGGCTGGATGGACATGACCG
 TCCACCAAGTAAGCGCTGGAGCACAGCCTGCGCCTACTTGCACCCGGTGTGAGCCGCCCAACCTCAG
 GGCCGAGGTCCAGACACTTGTAAAGCAGAGTGTGTTTGGAGGCACCCGTGCAGTAGGTGTGGAGTACATC
 AAGGACGGCCAGAGACACAAGGCTTACGTGAGCAGGGAGGTGATCCTGAGCGGGGAGCCATCAACTCTC
 CACAGTGTCTCATGTCTCTGGCGTCGGCAATGCAGATGACCTCAGGAACTGGATATCCCTGTGGTGTG
 CCACCTGCCTGGAGTTGGGCAGAACCTGCAGGACCACCTGGAGGTCTACGTTACAGCAAGCGTGCACACAG
 CCCACTCACCTCCACTTGCCCAGAAGCCTCTCGGGAAGTCTGCATCGGCCCTGGAGTGGCTCTGGAGCT
 ACACAGGGGACGGAGCCACAGCCCATCTTGAGACCGGAGGGTTCATCCGCAGCCGACTGGGGTCCCTCA
 TCCGGACATCCAGTTCACCTTCCCTGCCATCGCAAGTGATTGACCATGGGCGGAAACCCACCCAGCAGGAA
 GCTTACCAGGTGCACGTGGGAACCATGAGGGCCACAAGTGTGGGCTGGCTGAAACTGAGAAGTGCCAACC
 CCCGGGACCACCTGTGATCCATCCCAACTACTTGTCAACAGAAACCGATGTCGAGGACTTCCGTGAGTG
 TGTGAGGCTGTCACGAGAAATTTTGGCCAGGAAGCCTTGGCTCCATTTCCGGGAAAAGAGCTGCAGCCC
 GGAAGCCACGTCCAGTCAGACAAAGAGATAGATGCCTTTGTGCGGGCAAAAGCAGACAGTGTACCACC
 CCTCGTGCACCTGTAAGATGGGCCGCTCCTGACCCACTGCCGTGGTGTGACGCGCAAACCAAGGTGAT
 CGGCGTAGAAAACCTCAGGGTCGTTGATGCCTCCATCATGCCAGCGTGGTACGCGCAAACCAAGGTGAT
 CCCACGGTAATGATTGCAGAGAAAGCAGCCGACATTATAAGGGACACCTGCACCTTGGGACAAGAAATG
 TTCTGTCTACAAGCCCCAGACTCTGGACCCAGCGT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226538 protein sequence
 Red=Cloning site Green=Tags(s)

MWQALRGWRKGCQSPRGALAWAVRGQPCCSRVASVKGDEYTFVVVGAGSAGCVLASRLTEDPNHRVL
 LLEAGPKDLLMGSKRLQWKIHMPAALVSNLCDDKYNWYYHTEPQPGMDSRVLWYPRGRVWGGSSSLNAMV
 YIRGHAEDYNRWHREGAEGWDYAHCLPYFRKAQRHELGANMYRGGDGPLHVSRGKTNHPLHQAFLLQARQ
 AGYPFTEDMNGFQQEGFGWMDMTVHQGKRWSTACAYLHPVLSRPNLRAEVQTLVSRVLFEGTRAVGVEYI
 KDGQRHKAYVSREVILSGGAINSPQLMLSGVGNADDLRKLDIPVVCHLPGVQNLQDHLEVVYVQACTQ
 PITLHSAQKPLRKVCIGLEWLWSYTDGATAHLETGGFIRSRRPGVPHPDIQFHFLPSQVIDHGRKPTQQE
 AYQVHVTMRATSVGWLKLRSANPRDHPVIHPNYLSTETDVEDFRQCVRLSREIFAQEALAPFRGKELQP
 GSHVQSDKEIDAFVRAKADSAYHPSCCKMGRSSDPTAVVDAQTKVIGVENLRVVDASIMPSVVSGLNLA
 PTVMIAEKAADIKGHPALEDKNVPVYKPTLDTQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_175343

ORF Size: 1791 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_175343.1](#), [NM_175343.2](#), [NM_175343.3](#), [NM_175343.4](#), [NM_175343.5](#), [NP_780552.1](#)

RefSeq Size: 5625 bp

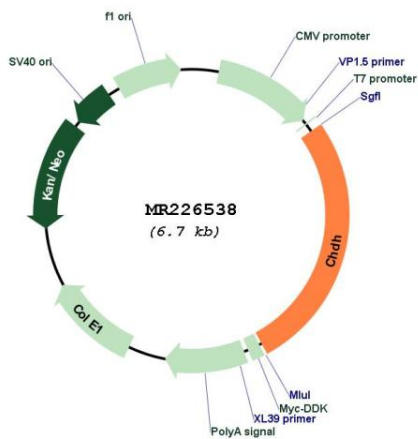
RefSeq ORF: 1791 bp

Locus ID: 218865

UniProt ID: [Q8BJ64](#)

Cytogenetics: 14 B
 MW: 66.3 kDa

Product images:



Circular map for MR226538