

Product datasheet for **MG209267**

Chdh (NM_175343) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chdh (NM_175343) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chdh
Synonyms:	AU041472; D630034H06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209267 representing NM_175343
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCAGGCCCTTAGAGGCTGGAGAAAGGATGTCAGAGCCCACGTGGAGCCCTGGCATGGGCTGTGC
 GGGCCAGCCATGCCCCCTTGCAGCCGCGCTGTTGCCAGTGTGGCAAGGATGAGTACACCTTTGTGGT
 GGTGGGCGCAGGCTCTGTCTGGCTGTGTCTGGCTAGTCGGCTCACCGAGGACCCGAATCATCGGGTCTG
 CTGCTAGAGGCAGGACCTAAGGACTTGTGATGGGGAGCAAGCGCTTCAGTGGAAAGATCCATATGCCGG
 CTGCCCTTGTGTCCAACCTGTGTGATGACAAATACAACCTGGTACTATCACACTGAGCCCCAGCCCGCAT
 GGACAGTCGCGTGTACTGGCCACGAGGCGGGTCTGGGGCGGCTCCTCATCCCTCAATGCCATGGTC
 TACATCCGAGGACAGCCGAGGACTATAACCGCTGGCACCGTGAAGGTGTGAGGGTTGGGACTATGCAC
 ACTGCCTGCCCTACTTCCGAAGGCGCAGAGACATGAGCTGGGTGCCAATATGTACCGTGGTGGGATGG
 CCCACTGCATGTGTCTCGGGCAAGACCAACCACCGCTTACCAGGCCCTCCTGCAGGCAGCACGTGAG
 GCTGGCTACCCCTTCACTGAAGACATGAATGGCTTCCAACAGGAGGGCTTCGGCTGGATGGACATGACCG
 TCCACCAAGTAAGCGCTGGAGCACAGCCTGCGCCTACTTGCACCCGGTGTGAGCCGCCCAACCTCAG
 GGCCGAGGTCCAGACACTTGAAGCAGAGTGTGTTTGGAGGCACCCGTGCAGTAGGTGTGGAGTACATC
 AAGGACGGCCAGAGACACAAGGCTTACGTCAGCAGGGAGGTGATCCTGAGCGGGGAGCCATCAACTCTC
 CACAGTGTCTCATGTCTCTGGCGTCGGAATGCAGATGACCTCAGGAACTGGATATCCCTGTGGTGTG
 CCACCTGCCTGGAGTTGGGCAGAACCTGCAGGACCCTGGAGGTCTACGTTACAGCAAGCGTGCACACAG
 CCCACTCACCTCCACTTGCCCAGAAGCCTCTCGGGAAGTCTGCATCGGCCCTGGAGTGGCTCTGGAGCT
 ACACAGGGGACGGAGCCACAGCCATCTTGAGACCGGAGGGTTCATCCGCAGCCGACCTGGGGTCCCTCA
 TCCGGACATCCAGTTCCTTCCACTTCTGCCATCGCAAGTGATTGACCATGGGCGGAAACCCACCCAGCAGGAA
 GCTTACCAGGTGCACGTGGGAACCATGAGGGCCACAAGTGTGGGCTGGCTGAAACTGAGAAGTGCCAACC
 CCCGGGACCACCTGTGATCCATCCCACTACTTGTCAACAGAAACCGATGTCGAGGACTTCCGTGAGTG
 TGTGAGGCTGTCACGAGAAATTTTGGCCAGGAAGCCTTGGCTCCATTTCCGGGAAAAGAGCTGCAGCCC
 GGAAGCCACGTCCAGTCAGACAAAGAGATAGATGCCTTTGTGCGGGCAAAAGCAGACAGTGTACCACC
 CCTCGTGCACCTGTAAGATGGGCCGCTCTGACCCACTGCCGTGGTGTGACGCGCAAACCAAGGTGAT
 CGGCGTAGAAAACCTCAGGGTCTGTGATGCCTCCATCATGCCAGCGTGGTACGCGCAAACCAAGGTGAT
 CCCACGGTAATGATTGCAGAGAAAGCAGCCGACATTATTAAGGGACACCTGCACCTTGGGACAAGAATG
 TTCTGTCTACAAGCCCCAGACTCTGGACCCAGCGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209267 representing NM_175343
 Red=Cloning site Green=Tags(s)

MWQALRGWRKGCQSPRGALAWAVRGQPCCSRVASVKGDEYTFVVVGAGSAGCVLASRLTEDPNHRVL
 LLEAGPKDLLMGSKRLQWKIHMPAALVSNLCDDKYNWYYHTEPQPGMDSRVLYWPRGRVWGGSSSLNAMV
 YIRGHAEDYNRWHREGAEGWDYAHCLPYFRKAQRHELGANMYRGGDGPLHVSRGKTNHPLHQAFQAARQ
 AGYPFTEDMNGFQQEGFGWMDMTVHQGKRWSTACAYLHPVLSRPNLRAEVQTLVSRVLFEGTRAVGVEYI
 KDGQRHKAYVSREVILSGGAINSPQLMLSGVGNADDLRKLDIPVVCHLPVGVQNLQDHLEVYVQACTQ
 PITLHSAQKPLRKCIGLEWLWSYTDGATAHLETGGFIRSRRPGVPHPDIQFHFVLPVQVLDHGRKPTQQE
 AYQVHVTMRATSVGWLKLRSANPRDHPVIHPNYLSTETDVEDFRQCVRLSREIFAQEALAPFRGKELQP
 GSHVQSDKEIDAFVRAKADSAYHPSCTCKMGRSSDPTAVVDAQTKVIGVENLRVVDASIMPSVVSGLNA
 PTVMIAEKAADIKGHPALEDKNVPVYKPTLDTQR

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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_175343.2
RefSeq Size:	3408 bp
RefSeq ORF:	1791 bp
Locus ID:	218865
UniProt ID:	Q8BJ64
Cytogenetics:	14 B