

Product datasheet for **RR201267**

Chdh (NM_198731) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chdh (NM_198731) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chdh
Synonyms:	CDH; CHD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR201267 representing NM_198731
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGCAGGTCCTTAGAAGCTGGAGCAAAGATGTCTGAGCCACGTGGAGCCCTGGCTTGGGCTGCGC
 AGGGCCAGCCACGTCCCCCTGCAGCTGCGCTGTTGCTAGCGCCGCTCTGGGGCAAGGATGAGTACAC
 TTCATCGTGGTGGGCGCAGGCTCTGCTGGCTGCGTGCTGGCCAATCGGCTCACTGAGGACCCGAATCAT
 CGGGTACTGCTACTGGAGGCGGGGCCAAAGACTTGTGATGGGAGCAAGCGGCTTCAGTGAAGATCC
 ACATGCCAGCTGCCCTTGTGGCCAACTGTGCGACGACAAATACTGGTACTATCACACTGAGGCTCA
 GCCCGCCTAGATGGCCGGTACTGTACTGGCCACGAGGCCGGTCTGGGGGGTTCCTCCTCCCTCAAT
 GCCATGGTCTACATCCGAGGTATGCGGAGGACTATAACCGCTGGCACCGCCAAGGTGCTGAGGGCTGG
 ACTATGCACACTGCCTGCCCTACTTCCGAAGGCACAGAAACATGAGCTAGGTGCCAATATGTACCGTGG
 TGGGGATGGCCACTGCATGTGTCTCGGGCAAACCAACCCACTCCACCAGGCCTTCTGCAGGCA
 GCACGTACAGGCTGGCTACCCCTTCACTGAAGACATGAATGGCTTCCAACAGGAGGGCTTCGCTGGATGG
 ACATGACCATCCACCAAGGAAGCGCTGGAGCACGGCCAGTGCCTACTTGCGCCACGCGTGGAGCGCC
 CAACCTCAGGGCCGAGGTCCAGACACTTGAAGCAGAGTGTGTTGAGGGCACGCGAGCAGTGGGCGTG
 GAGTACATCAAGGACGGCCAGAGCCACAAGGCTTACGTGACGAGGGAGGTGATCCTGAGCGGGGGCGCCA
 TCAACTCTCCACAGCTGCTCATGCTCTCTGGTGTGGGAATGCAGATGACCTCAAGAACTGGGCATCCC
 TGTGGTGTGCCATCTGCCCGAGTTGGTCAGAACCTGCAGGACCCTGGAGATCTACATTCAGCATGCT
 TGCACACAGCCCATCACCTCCACTCTGCCAGAAGCCTCTGCGGAAGGTCTGCATCGCCCTGGAGTGGC
 TCTGGAGGTTACAGGAGATGGAGCCACAGCCCATCTAGAGACCGGAGGGTTCATCCGACCCGGCCTGG
 GGTCCCCATCCGGACATCCAGTTCACCTTCTGCCATACAAGTGATTGACCATGGGCGGAAACCTACC
 CAGCAGGAGGCCTACCAGGTACATGTGGGAACCATGAGGGCCACAAGTGTGGGCTGGCTGAAACTGAGAA
 GCACCAACCTCAGGACCACCAATGATCAATCCCACTACCTGTCAACAGAAACCGATGTCGAGGACTT
 CCGTCAGTGTGTGAAGCTGACACGGGAAATTTTTGCACAGGAAGCCTTCGCTCCCTTCGGGGCAAAGAG
 CTGCAGCCGGGAAGCCATGTCCAGTCAGACAAAGAGATAGATGCCTTTGTGCGGGCAAAGCAGACAGTG
 CATAACCTCCCTCCTGTACCTGTAAGATGGCCAGCCCTGACCCCACTGCTGTGGTTGATCAGCAAAC
 CAGGGTCATCGGGTAGAAAACCTCAGAGTCATTGATGCCTCCATCATGCCAGTGTGGTCACTGGCAAC
 CTGAACGCTCCCACGATCATGATTGCAGAGAAAGCAGCTGACGTTATTAAGGGATGCCCTGCACTCGGG
 ACGAGAATGTTCTGTCTACAAGCCCCAGACTCTGGACCCAGCGT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201267 representing NM_198731
 Red=Cloning site Green=Tags(s)

MWQVLRWSKRCLSPRGALAWAAQGPQPPPCSAVASAASGGKDEYTFIVVGAGSAGCVLANRLTEDPNH
 RVLLEAGPKDLLMGSKRLQWKIHMPAALVANLCDDKYNWYYHTEAQPGLDGRVLYWPRGRVWGGSSSLN
 AMVYIRGHAEDYNRWHRQGAEGWDYAHCLPYFRKAQKHELGANMYRGGDGPLHVSARGKTNHPLHQAFQA
 ARQAGYFPFTEDMNGFQQEGFGWMDMTIHQGKRWSTASAYLRPALSRPNLRAEVQTLVSRVLFEGTRAVGV
 EYIKDGQSHKAYVSREVILSGGAINSPQLMLSGVGNADDLKKLGIPVCHLPGVGQNLQDHLIEYIQHA
 CTQPITLHSAQKPLRKVCIGLEWLWRFITGDGATAHLETGGFIRSRPGVPHPDIFHFHLPQVQIDHGRKPT
 QQEAYQVHVGTMRATSVGWLKLSTNPDQHPMINPNYLSTETDVEDFRQCVKLTREIFAQEAFAFRGKE
 LQPGSHVQSDKEIDAFVRAKADSAYHPSCTCKMGQPSDPTAVVDQTRVIGVENLRVIDASIMPSVVS
 LNAPTIMIAEKAADVIGPCALGDENVVYKPTLDTQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_198731

ORF Size: 1797 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_198731.2](#), [NP_942026.1](#)

RefSeq Size: 3435 bp

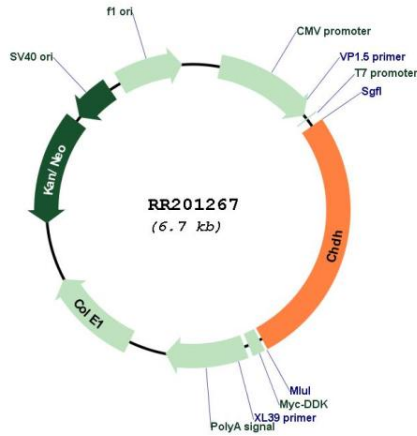
RefSeq ORF: 1800 bp

Locus ID: 290551

UniProt ID: [Q6UPE0](#)

Cytogenetics: 16p16
 MW: 66.4 kDa
 Gene Summary: catalyzes the conversion of choline and an acceptor to betaine aldehyde and a reduced acceptor [RGD, Feb 2006]

Product images:



Circular map for RR201267