

ECHDC1 cDNA

Catalog Number: ATGD0251

PRODUCT INFORMATION

Catalog number

ATGD0251

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001132982.1

Alternative Names

dj351K20.2, HEL-S-76, MMCD

mRNA Refseq

NM_001139510.1

OMIM

612136

Chromosome location

6q22.33

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

924bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

ECHDC1 cDNA

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Decarboxylases ethylmalonyl-CoA decarboxylase, a potentially toxic metabolite, to form butyryl-CoA, suggesting it might be involved in metabolite proofreading. Also has methylmalonyl-CoA decarboxylase activity at lower level.

DATA

Sequence nucleotides

```
ATGGCATTGAAACAGGAAATGGCGAAAAGTCTTTTGAAGACAGCCTCTCTGTCTGGAAGGACAAAATTGCTACATCAAACAG
GATTGTCACTTTATAGTACATCCCATTGATTTTATGAGGAAGAAGTGAACAAAACACTTCAGCAGTTTCCTGGTGGATCCATT
GACCTTCAGAAGGAAGACAATGGCATTGGCATTCTTACTCTGAACAATCCAAGTAGAATGAATGCCTTTTCAGGTGTTATGA
TGCTACAACCTTCTGGAAAAAGTAATTGAATTGGAAAATTGGACAGAGGGGAAAGGCCTCATTGTCCGTGGGGCAAAAATA
CTTTCTCTTCAGGATCTGATCTGAATGCTGTGAAATCACTAGGAACTCCAGAGGATGGAATGGCCGTATGCATGTTTCATGCA
AAACACCTTAACAAGATTTATGAGACTTCCTTTAATAAGTGTTCGCTGGTTCAAGGTTGGGCATTGGGTGGAGGAGCAGAA
TTTACTACAGCATGTGATTTTCAGGTTAATGACTCCAGAGAGTAAGATCAGATTCGTCCACAAAGAGATGGGCATAATACCAA
GCTGGGGTGGCACCACCCGGCTAGTTGAAATAATCGGAAGTAGACAAGCTCTCAAAGTGTGAGTGGGGCCCTTAAACTGG
ATTCAAAAATGCTCTAAACATAGGAATGGTTGAAGAGGTCTTGCAGTCTTCAGATGAACTAAATCTCTAGAAGAGGCACA
AGAATGGCTAAAGCAATTCATCCAAGGGCCACCGGAAGTAATTAGAGCTTTGAAAAAATCTGTTTGTTCAGGCAGAGAGCTA
TATTTGGAGGAAGCATTACAGAACGAAAGAGATCTTTTAGGAACAGTTTGGGGTGGGCCTGCAAATTTAGAGGCTATTGCTA
AGAAAGGAAAATTTAATAAATAA
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Transaction Sequence

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MALKQEMAKS LLKTASLSGR TKLLHQTGLS LYSTSHGFYE EEVKKTLQQF PGGSIDLQKEDNGIGILTLN NPSRMNAFSG
VMMLQLLEKV IELENWTEGK GLIVRGAKNT FSSGSDLNAVKSLGTPEDGM AVCMFMQNTL TRFMRLPLIS VALVQGWALG
GGAFTTACD FRLMTPESKIRFVHKEMGII PSWGGTTRLV EIIGSRQALK VLSGALKLDS KNALNIGMVE
EVLQSSDETKSLEEAQEWLK QFIQGPPEVI RALKKSVCSG RELYLEEALQ NERDLLGTVW GGPANLEIAIAKKGKFNK
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