## 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 7000 rpm for 1 minute.
2. Carefully open the vial and add 100 ul of sterile water to dissolve the DNA.

Each tube contains approximately 10 ug 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

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

ATGGCATTGAAACAGGAAATGGCGAAAAGTCTTITGAAGACAGCCTCTCTGTCTGGAAGGACAAAATTGCTACATCAAACAG GATTGTCACTTTATAGTACATCCCATGGATTTTATGAGGAAGAAGTGAAAAAAACACTTCAGCAGTTTCCTGGTGGATCCATT GACCTTCAGAAGGAAGACAATGGCATTGGCATTCTTACTCTGAACAATCCAAGTAGAATGAATGCCTTTTCAGGTGTTATGA TGCTACAACTTCTGGAAAAAGTAATTGAATTGGAAAATTGGACAGAGGGGAAAGGCCTCATTGTCCGTGGGGCAAAAAATA CTTТТСТTCAGGATCTGATCTGAATGCTGTGAAATCACTAGGAACTCCAGAGGATGGAATGGCCGTATGCATGTTCATGCA AAACACCTTAACAAGATTTATGAGACTTCCTTTAATAAGTGTTGCGCTGGTTCAAGGTTGGGCATTGGGTGGAGGAGCAGAA TTTACTACAGCATGTGATTTCAGGTTAATGACTCCAGAGAGTAAGATCAGATTCGTCCACAAAGAGATGGGCATAATACCAA GCTGGGGTGGCACCACCCGGCTAGTTGAAATAATCGGAAGTAGACAAGCTCTCAAAGTGTTGAGTGGGGCCCTTAAACTGG ATTCAAAAAATGCTCTAAACATAGGAATGGTTGAAGAGGTCTTGCAGTCTTCAGATGAAACTAAATCTCTAGAAGAGGCACA AGAATGGCTAAAGCAATTCATCCAAGGGCCACCGGAAGTAATTAGAGCTTTGAAAAAATCTGTTTGTTCAGGCAGAGAGCTA TATTTGGAGGAAGCATTACAGAACGAAAGAGATCTTTTAGGAACAGTTTGGGGTGGGCCTGCAAATTTAGAGGCTATTGCTA AGAAAGGAAAATTTAATAAATAA

## Transaction Sequence

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

