

Recombinant Human Enoyl CoA Hydratase Domain Containing 1, His-tagged

Cat. No. ECHDC1-1924H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant humanECHDC1 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography.
Species	Human
Description	ECHDC1,also known as enoyl CoA hydratase domain containing 1, belongs to theenoyl-CoA hydratase/isomerase family. Enoyl-CoA hydratase is an enzyme thathydrates the double bond between the second and third carbons on acyl-CoA.This enzyme is essential to metabolizing fatty acids to produce both acetylCoA and energy.
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT, 0.1M NaCl.
Molecular Weight	35.8kDa(327aa) confirmed by MALDI-TOF.
Purity	> 95%by SDS-PAGE
Concentration	1.0mg/ml (determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MALKQEMAKS LLKTASLSGR TKLLHQ TGLS LYST SHGFYE EEVKKTLQQFPGGSIDLQKE DNGIGILTLN NPSRMNAFSG VMMLQLLEK V IELENWTEGKGLIVRGAKNT FSSGSDLNAV KSLGTPEDGM AVCMFMQNTL TRF MRLPLIS VALVQGWALG GGAFTTACDFRLMTPESKI RFVHKEMGII PSWGGTTR LV EIIGSRQALK VLSGALKLDS KNALNIGMVE EVLQSSDETksLEEAQEWLKQFIQ

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GPPEVIRALKKSVCSG RELYLEEALQ NERDLLGTVW GGPANLEAIA KKGKFNK

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Fatty Acid Biosynthesis

GENE INFORMATION

Gene Name

ECHDC1 enoyl CoA hydratasedomain containing 1 [Homo sapiens]

Official Symbol

ECHDC1

Synonyms

ECHDC1; enoyl CoA hydratase domaincontaining 1; dJ351K20.2; enoyl-CoA hydratase domain-containing protein 1;enoyl Coenzyme A hydratase domain containing 1

Gene ID

55862

mRNA Refseq

NM_001139510

Protein Refseq

NP_001132982

MIM

612136

UniProt ID

Q9NTX5

Chromosome Location

6q22.33

Function

catalytic activity; isomerase activity

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