

Recombinant human ECHDC1 protein

Catalog Number: ATGP1422

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-307aa

UniProt No.

Q9NTX5

NCBI Accession No.

NP_001132982

Alternative Names

Enoyl CoA hydratase domain containing 1, dj351K20.2

PRODUCT SPECIFICATION

Molecular Weight

35.8 kDa (327aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ECHDC1, also known as enoyl CoA hydratase domain containing 1, belongs to the enoyl-CoA hydratase/isomerase family. Enoyl-CoA hydratase is an enzyme that hydrates the double bond between the second and third carbons on acyl-CoA. This enzyme is essential to metabolizing fatty acids to produce both acetyl CoA and energy. Recombinant human ECHDC1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

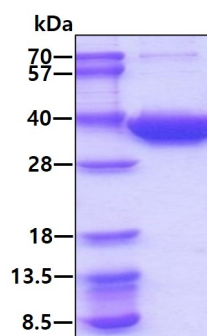
<MGSSHHHHHH SSGLVPRGSH> MALKQEMAKS LLKTASLSGR TKLLHQ TGLS LYSTSHGFYE EEVKKTLQQF
PGGSIDLQKE DNGIGILTLN NPSRMNAFSG VMMLQLLEKV IELENWTEGK GLIVRGAKNT FSSGSDLNAV KSLGTPEDGM
AVCMFMQNTL TRFMRLPLIS VALVQGWALG GGAEFTTACD FRLMTPESKI RFVHKEMGII PSWGGTTRLV EIIGSRQALK
VLSGALKLDS KNALNIGMVE EVLQSSDETK SLEEAQEWLK QFIQGPPEVI RALKKSVCSG RELYLEEALQ NERDLLGTVW
GGPANLEAIA KKGKFNK

General References

Bahnson. et al. (2007) Biochemistry 41: 2621-2629.
Menachem TD. et al. (2009) Fam Cancer. 8:399-402.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.