

Datasheet for ABIN667209

ECH1 Protein (AA 34-328) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ECH1
Protein Characteristics:	AA 34-328
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ECH1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	ECH1, 34-328aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	ECH1
Alternative Name:	ECH1 (ECH1 Products)
Background:	ECH1 (enoyl coenzyme A hydratase 1) belongs to the hydratase/isomerase superfamily. This Protein shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. It contains a C-terminal peroxisomal targeting sequence, localizes to both the peroxisome and the mitochondria. This enzyme involved in the auxiliary step of the fatty acid beta-oxidation

Target Details

pathway specifically functioning to catalyze the isomerization of 3-trans, 5-cis-dienoyl-CoA to 2-trans, 4-transdienoyl-CoA. Recombinant human ECH1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Synonyms: enoyl Coenzyme A hydratase 1 peroxisomal, HPXEL. NCBI no.: AAH17408

Molecular Weight: 34.4kDa (316aa), confirmed by MALDI-TOF

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

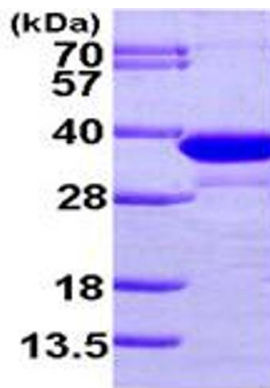
Format: Liquid

Concentration: 1mg/ml (determined by Bradford assay)

Buffer: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 50mM NaCl

Storage: 4 °C

Images



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.