

## AR09641PU-L

## Human ECHS1 (28-290, His-tag) - Purified

### Alternate names:

Enoyl-CoA hydratase, Enoyl-CoA hydratase 1, Enoyl-CoA hydratase mitochondrial, SCEH, Short-chain enoyl-CoA hydratase

### Quantity:

0.5 mg

### Concentration:

1.0 mg/ml (determined by Bradford assay)

### Background:

Enoyl Coenzyme A hydratase, short chain 1 mitochondrial, also known as ECHS1, is a member of the hydratase/isomerase superfamily. It localizes to the mitochondrial matrix. Expressed in muscle, liver and fibroblasts, with low expression in kidney and spleen, ECHS1 exists as a homohexamer that functions in the second step of the mitochondrial fatty acid  $\beta$ -oxidation pathway.

### Uniprot ID:

[P30084](#)

### NCBI:

[NP\\_004083](#)

### GeneID:

[1892](#)

### Species:

Human

### Source:

E. coli

### Format:

**State:** Liquid purified protein

**Purity:** >95% by SDS - PAGE

**Buffer System:** 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl

### Description:

Recombinant human ECHS1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

#### AA Sequence:

MGSSHHHHHH SSGLVPRGSH MASGANFEYI IAEKRGKNNNT VGLIQLNRPK ALNALCDGLI  
DELNQALKIF EEDPAVGAIV LTGGDKAFAA GADIKEMQNL SFQDCYSSKF LKHWDHLTQV  
KKPVIAAVNG YAFGGGCELA MMCDIYYAGE KAQFAQPEIL IGTIPGAGGT QRLTRAVGKS  
LAMEMVLTGD RISAQDAKQA GLVSKICPVE TLVEEAIQCA EKIASNSKIV VAMAKESVNA  
AFEMTLTEGS KLEKKLFYST FATDDRKEGM TAFVEKRKAN FKDQ

**Molecular weight:** 30.6 kDa (284aa), confirmed by MALDI-TOF

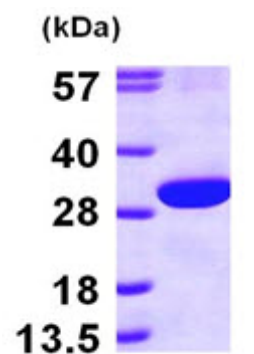
### Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

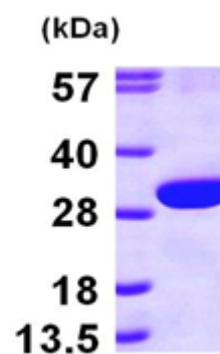
Shelf life: one year from despatch.

**Pictures:**



15% SDS-PAGE (3ug)

Recombinant human ECHS1, 28- 290 aa,  
His-tagged



15% SDS-PAGE (3ug)