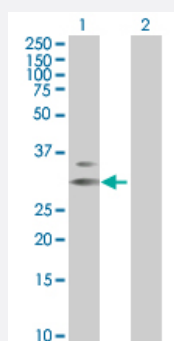


# ECH1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001891-T01

Size 100 uL

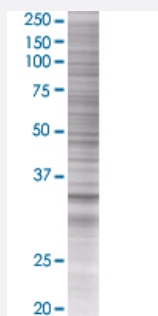
## Applications



### Western Blot

Lane 1: ECH1 transfected lysate ( 35.8 KDa)

Lane 2: Non-transfected lysate.



### SDS-PAGE Gel

ECH1 transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-ECH1 full-length

**Host** Human

**Theoretical MW (kDa)** 36.19

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-ECH1 antibody ([H00001891-B01](#)) by Western Blots.  
Western Blot  
Lane 1: ECH1 transfected lysate ( 35.8 KDa)  
Lane 2: Non-transfected lysate.  
SDS-PAGE Gel  
ECH1 transfected lysate.

<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — ECH1

<b>Entrez GeneID</b>	<a href="#">1891</a>
<b>GeneBank Accession#</b>	<a href="#">NM_001398.2</a>
<b>Protein Accession#</b>	-
<b>Gene Name</b>	ECH1
<b>Gene Alias</b>	HPXEL
<b>Gene Description</b>	enoyl Coenzyme A hydratase 1, peroxisomal
<b>Omim ID</b>	<a href="#">600696</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

<b>Gene Summary</b>	This gene encodes a member of the hydratase/isomerase superfamily. The gene product shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The encoded protein, which contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. The rat ortholog, which localizes to the matrix of both the peroxisome and mitochondria, can isomerize 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA, indicating that it is a delta3,5-delta2,4-dienoyl-CoA isomerase. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. Expression of the rat gene is induced by peroxisome proliferators. [provided by RefSeq]
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<b>Other Designations</b>	delta3,5-delta2,4-dienoyl-CoA isomerase dienoyl-CoA isomerase peroxisomal enoyl-CoA hydratase 1 peroxisomal enoyl-coenzyme A hydratase-like protein
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## Pathway

- [Tyrosine metabolism](#)