

Recombinant Human ECH1 Protein, GST-tagged

Cat. No. ECH1-3030H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ECH1 full-length ORF (NP_001389.2, 1 a.a. - 328 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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, Jul 2008]
Molecular Mass	62.2 kDa
AA Sequence	MAAGIVASRRLRDLLTRRLTGSNYPGLSISLRLTGSSAQEEASGVALGEAPDHSYES LRV TSAQKHVLHVQLNRPNKRNAMNKVFWREMVECFNKISR DADCRAVVISGAGK MFTAGIDLMDMASDILQPKGDDVARISWYLRDIITRYQETFNVIERCPKPVIAAVHGG CIGGGVDLVTACDIRYCAQDAFFQVKEVDVGLAADVGT LQRLPKVIGNQSLVNELAF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	TARKMMADEALGSGLVSRVFPDKEVMLDAALALAAEISSKSPVAVQSTKVNLLYSRD HSVAESLNYVASWNMSMLQTQDLVKSQATTENKELKTVTFSKL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ECH1 enoyl CoA hydratase 1, peroxisomal [Homo sapiens]
Official Symbol	ECH1
Synonyms	ECH1; enoyl CoA hydratase 1, peroxisomal; enoyl Coenzyme A hydratase 1, peroxisomal; delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial; HPXEL; dienoyl-CoA isomerase; peroxisomal enoyl-CoA hydratase 1; delta3,5-delta2,4-dienoyl-CoA isomerase;
Gene ID	1891
mRNA Refseq	NM_001398
Protein Refseq	NP_001389

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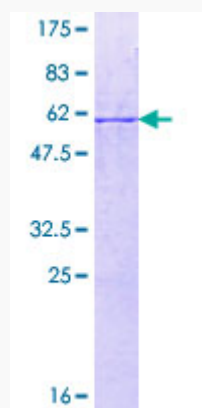
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MIM 600696

UniProt ID Q13011

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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