

Product datasheet for **TP305622L**

ECH1 (NM_001398) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human enoyl Coenzyme A hydratase 1, peroxisomal (ECH1), 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC205622 protein sequence
Red=Cloning site **Green**=Tags(s)

MAAGIVASRRLLRDLTRRLTGSNYPGLSISLRLTGSSAQEAASGVALGEAPDHSYESLRVTSQAQKHLHV
QLNRPNKRNAMNKVFWREMVFCFNKISRDCRAVVISGAGKMFTAGIDLMDMASDILQPKGDDVARISW
YLRDIITRYQETFNVIERC PKPVIAAVHGGCIGGGVDLVTACDIRYCAQDAFFQVKEVDVGLAADVGTLQ
RLPKVIGNQSLVNELAFTARKMMMADEALGSGLVSRVFPDKEVMLDAALALAAEISSKSPVAVQSTKVNLL
YSRDHVAESLNYVASWNMSMLQTQDLVKSQATTENKELKTVTFSKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 35.6 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C.
Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: [NP_001389](#)
Locus ID: 1891

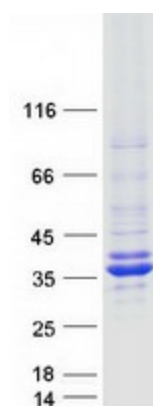


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UniProt ID: [Q13011](#), [A0A384MR44](#)
RefSeq Size: 1276
Cytogenetics: 19q13.2
RefSeq ORF: 984
Synonyms: HPXEL

Summary: 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]

Product images:



Coomassie blue staining of purified ECH1 protein (Cat# [TP305622]). The protein was produced from HEK293T cells transfected with ECH1 cDNA clone (Cat# [RC205622]) using MegaTran 2.0 (Cat# [TT210002]).