

## Product datasheet for **TP305622M**

### **ECH1 (NM\_001398) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human enoyl Coenzyme A hydratase 1, peroxisomal (ECH1), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC205622 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAAGIVASRRLLRDLTRRLTGSNYPGLSISLRLTGSSAQEAASGVALGEAPDHSYESLRVTSQAQKHLHV  
QLNRPNKRNAMNKVFWREMVVECFNKISRDCRAVVISGAGKMFTAGIDLMDMASDILQPKGDDVARISW  
YLRDIITRYQETFNVIERC PKPVIAAVHGGCIGGGVDLVTACDIRYCAQDAFFQVKEVDVGLAADVGTLQ  
RLPKVIGNQSLVNELAFTARKMMMADEALGSGLSRVFPDKEVMLDAALALAAEISSKSPVAVQSTKVNLL  
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

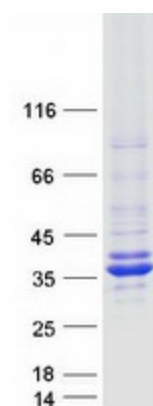
Cytogenetics: 19q13.2

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]).