

## Product datasheet for **AR09649PU-N**

### ECH1 (34-328, His-tag) Human Protein

#### Product data:

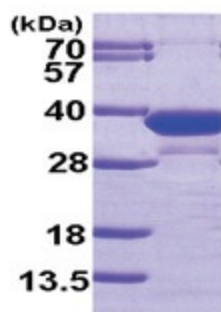
Product Type:	Recombinant Proteins
Description:	ECH1 (34-328, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MTGSSAQEAA</u> SGVALGEAPD HSYESLRVTS AQKHLHVQL NRPNKRNAMN KFWREMVEC FNKISRADC RAVVISGAGK MFTAGIDLMD MASDILQPKG DDVARISWYL RDIITRYQET FNVIERCPKP VIAAVHGGCI GGGVDLV TAC DIRYCAQDAF FQVKEVDVGL AADVGT LQRL PKVIGNQSLV NELAFTARKM MADEALG SGL VSRVFPDKEV MLDAALALAA EISSKSPVAV QSTKVNLLYS RDH SVAESLN YVASWNMSML QTQDLVKSVQ ATTENKELKT VTF SKL
Tag:	His-tag
Predicted MW:	34.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 50 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ECH1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001389</u>
Locus ID:	1891
UniProt ID:	<u>Q13011</u>
Cytogenetics:	19q13.2
Synonyms:	HPXEL



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**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:**

15% SDS-PAGE (3ug)