

Product Name: Recombinant Human ECH1 (N-6His)
Catalog #: PEH0549

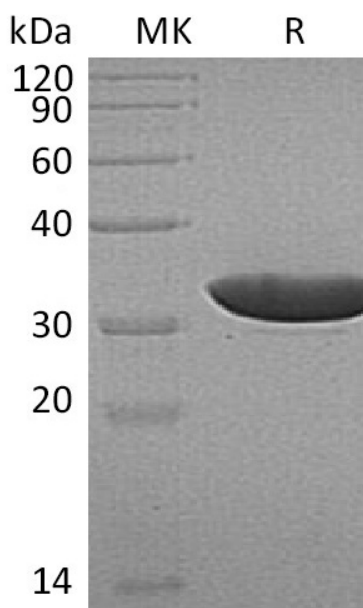


Summary

Name	ECH1/Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase/mitochondrial
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, Mitochondrial is produced by our E.coli expression system and the target gene encoding Thr34-Leu328 is expressed with a 6His tag at the N-terminus.
Accession #	Q13011
Host	E.coli
Species	Human
Predicted Molecular Mass	34.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 8% Trehalose, 0.05% tween80, pH8.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤ -70°C, stable for 6 months after receipt. Store at ≤ -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

Delta(3;5)-Delta(2;4)-dienoyl-CoA isomerase; mitochondrial; ECH1

Background

Human delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase(ECH1) is a member of the hydratase/isomerase superfamily and contains a C-terminal peroxisomal targeting sequence and localizes to peroxisomes. ECH1 shows high sequence similarity to enoyl-CoA hydratases of several species, particularly within a conserved domain characteristic of these proteins. The rat ortholog localizes to the matrix of both the peroxisome and mitochondria. It 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. ECH1 plays an important role in the auxiliary step of the fatty acid beta-oxidation pathway.

Note

For Research Use Only , Not for Diagnostic Use.