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Product datasheet for TP727314

ECH1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Î´(3,5)-Î´(2,4)-Dienoyl-CoA Isomerase, Mitochondrial/ECH1
Species:	Human
Expression cDNA Clone or AA Sequence:	Thr34-Leu328
Tag:	N-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 100mM NaCl, 10% Glycerol, pH 8.0.
Note:	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.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	1891
UniProt ID:	Q13011
Synonyms:	Delta(3;5)-Delta(2;4)-dienoyl-CoA isomerase; mitochondrial;ECH1
Summary:	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 orthologlocalizes 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.

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