

32-8578: Recombinant Human d(3,5)-d(2,4)-Dienoyl-CoA Isomerase, Mitochondrial/ECH1

Gene : ECH1
Gene ID : 1891
Uniprot ID : Q13011

Description

Source: E.coli.
MW :34.45kD.

Recombinant Human ECH1 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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, 100mM NaCl, 10% Glycerol, pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHSSGLVPRGSHMTGSSAQEEASGVALGEAPDHSYSLRVTS AQKHVLHVQLNRPNKRNAMNK
VFWREMV ECFNKISR DADCRAVVISGAGKMFTAGIDLMDMASDILQPKGDDVARISWYLRDIITRYQETFNIE
RCPKPVIAAVHGGCIGGGVDLV TACDIRYCAQDAFFQVKEVDVGLAADVGT LQRLPKVIGNQSLVNEL AFTARK
MMADEALGSGLVSRVFPDKEV MLDAALALAAEISSKSPVAVQSTKV NLLYSRDHSVAESLNYVASWNMSMLQ
TQDLVKS VQATTENKELKT VTF SKL

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.