

32-2299: ECH1 Recombinant Protein

Alternative Name : peroxisomal, enoyl Coenzyme A hydratase 1.

Description

Source : Escherichia Coli. ECH1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 316 amino acids (34-328a.a.) and having a molecular mass of 34.4kDa. ECH1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. ECH1 is a member of the hydratase/isomerase superfamily. ECH1 demonstrates high sequence similarity to enoyl-coenzyme A (CoA) hydratases of more than a few species, mostly within a conserved domain characteristic of these proteins. ECH1 contains a C-terminal peroxisomal targeting sequence, localizes to both the peroxisome and the mitochondria. peroxisomal takes part in the auxiliary step of the fatty acid beta-oxidation pathway specifically functioning to catalyze the isomerization of 3-trans, 5-cis-dienoyl-CoA to 2-trans, 4-transdienoyl-CoA.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The ECH1 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 50mM NaCl, and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MTGSSAQEAA SGVALGEAPD HSYESLRVTS AQKHVLHVQL NRPNKRNAMN KFWREMVEC FNKISRADC RAVVISGAGK MFTAGIDLMD MASDILQPKG DDVARISWYL RDIITRYQET FNVIERCPKP VIAAVHGGCI GGGVDLV TAC DIRYCAQDAF FQVKEVDVGL AADVGT LQRL PKVIGNQSLV NELAFTARKM MADEALGSG L VSRVFPDKEV MLDAALALAA EISSKSPVAV QSTKVNLLYS RDHSVAESLN YVASWNMSML QTQDLVKSQV ATTENKELKT VTFSKL.

