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32-6733: ECHS1 Human, Active

Application :	Functional Assay
Alternative Name :	Enoyl-CoA Hydratase, Short Chain1, Enoyl Coenzyme A Hydratase, Short Chain, 1, Mitochondrial, Enoyl-CoA Hydratase, Short Chain, 1, Mitochondrial, Short Chain Enoyl-CoA Hydratase, EC 4.2.1.17, SCEH, Enoyl-CoA Hydratase, Mitochondrial, Short-Chain Enoyl-CoA Hydratase, Enoyl-CoA Hydratase 1, EC 4.2.1, ECHS1D, ECHS1Â .

Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
ECHS1 is part of the hydratase/isomerase superfamily. ECHS1 is localized in the mitochondrial matrix and Expressed in muscle, liver and fibroblasts, with low expression in kidney and spleen, ECHS1 exists as a homohexamer that takes part in the second phase of the mitochondrial fatty acid Beta-oxidation pathway.
ECHS1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 284 amino acids (28-290 a.a) and having a molecular mass of 30.6kDa. ECHS1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	ECHS1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 20% Glycerol and 100mM NaCl.
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 MASGANFEYI IAEKRGKNNT VGLIQLNRPK ALNALCDGLI DELNQALKIF EEDPAVGAIV LTGGDKAFAA GADIKEMQNL SFQDCYSSKF LKHWDHLTQV KKPVIAAVNG YAFGGGCELA MMCDIIYAGE KAQFAQPEIL IGTIPGAGGT QRLTRAVGKS LAMEMVLTGD RISAQDAKQA GLVSKICPVE TLVEEAIQCA EKIASNSKIV VAMAKESVNA AFEMTLTEGS KLEKKLFYST FATDDRKEGM TAFVEKRKAN FKDQ.

Application Note

Specific activity is > 150 units/mg, and is defined as the amount of enzyme that hydrolyzes 1.0 umole of crotonoyl-CoA to hydroxybutyryl-CoA per minute per minute at pH 7.5 at 25Ã‚Â°C.