ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Enoyl CoA Hydratase, Short chain, 1, Mitochondrial, Human Recombi-

Item Number	rAP-1161
Synonyms	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
Description	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.
Uniprot Accesion Number	P30084
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MASGANFEYI IAEKRGKNNT VGLIQLNRPK ALNALCDGLI DELNQAL-KIF EEDPAVGAIV LTGGDKAFAA GADIKEMQNL SFQDCYSSKF LKHWDHLTQV KKPVIAAVNG YAF-GGGCELA MMCDIIYAGE KAQFAQPEIL IGTIPGAGGT QRLTRAVGKS LAMEMVLTGD RISAQDAKQA GLVSKICPVE TLVEEAIQCA EKIASNSKIV VAMAKESVNA AFEMTLTEGS KLEKKLFYST FATDDRKEGM TAFVEKRKAN FKDQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	ECHS1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 20% Glycerol and 100mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	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 25°C.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only