

## ECHS1 Human

**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.

**Catalog #:** ENPS-563

For research use only.

**Synonyms:** Enoyl-CoA hydratase 1, SCEH.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MASGANFEYI IAEKRGKNNNT  
VGLIQLNRPK ALNALCDGLI DELNQALKIF EEDPAVGAIV LTGGDKAFAAGADIKEMQNL  
SFQDCYSSKF LKHWDLTQV KKPVIAAVNG YAFGGGCELA MMCDIYAGE KAQFAQPEIL  
IGTIPGAGGT QRLTRAVGKS LAMEMVLTGD RISAQDAKQA GLVSKICPVE TLVEEAIQCA  
EKIASNSKIV VAM

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

The ECHS1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH-8), 1mM DTT, 0.1M NaCl and 20% glycerol.

**Stability:**

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.

**Usage:**

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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 -oxidation pathway.

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