

ECHDC1 Human

Description: SNAP25 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 226 amino acids (1-206 a.a.) and having a molecular mass of 25.4 kDa. SNAP25 is fused to a 20 amino acid His Tag at N-terminus and purified by conventional chromatography techniques.

Catalog #: ENPS-580

For research use only.

Synonyms: Ethylmalonyl-CoA decarboxylase, Enoyl-CoA hydratase domain-containing protein 1, Methylmalonyl-CoA decarboxylase, MMCD, ECHDC1, dJ351K20.2.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MALKQEMAKS LLKTASLSGR
TKLLHQQTGLS LYSTSHGFYE EEVKKTLQQF PGGSIDLQKE DNGIGILTLN NPSRMNAFSG
VMMLQLLEKV IELENWTEGK GLIVRGAKNT FSSGSDLNAV KSLGTPEDGM AVCMFMQNTL
TRFMRLPLIS VALVQGWALGGGAFTTACD FRLMTPESKI RFVHKEMGII PSWGGTTRLV
EIIGSRQALK VLS

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The ECHDC1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 1mM DTT and 0.1M NaCl.

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:

NeoBiolab's 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:

Enoyl CoA hydratase domain containing 1 (ECHDC1) is a member of the enoyl-CoA hydratase/isomerase family. ECHDC1 is an enzyme which hydrates the double bond between the second and third carbons on acyl-CoA. The ECHDC1 enzyme is crucial to metabolizing fatty acids to supply both acetyl CoA and energy.

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