

ACOT13 Human

Description: ACOT13 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 160 amino acids (1-140 a.a.) and having a molecular mass of 17.1kDa. The ACOT13 is purified by proprietary chromatographic techniques.

Catalog #:ENPS-011

For research use only.

Synonyms: Acyl-coenzyme A thioesterase 13, Acyl-CoA thioesterase 13, Thioesterase superfamily member 2, ACOT13, THEM2, HT012, MGC4961, PNAS-27, ACOT13.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MTSMTQSLRE VIKAMTKARN
FERVLGKITL VSAAPGKVIC EMKVEEEHTN AIGTLHGGLT ATLVDNISTM ALLCTERGAP
GVSVDMNITY MSPAKLGEDI VITAHVLKQG KTLAFTSVDL TNKATGKLIQ QGRHTKHLGN.

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

Formulation:

The ACOT13 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% 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:

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:

Acyl-coenzyme A thioesterase 13 (ACOT13) belongs to the thioesterase subfamily of esterase family. ACOT13 is highly expressed in the kidney with moderate expression in the brain, liver and intestines. ACOT13 contains a hotdog-fold and is thought to co-localize with microtubules, possibly having a role in cellular proliferation events. Deletion of a segment of the q arm of chromosome 6 is linked to early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus.

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