
Product Data Sheet

Product Name: ACOT13 Human

Cat. No.: GP21339

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Acyl-coenzyme A thioesterase 13; Acyl-CoA thioesterase 13; Thioesterase superfamily member 2; ACOT13; THEM2; HT012; MGC4961; PNAS-27; ACOT13.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MTSMTQSLRE VIKAMTKARN FERVLGKITL VSAAPGKVIC EMKVEEHTN AIGTLHGGLT ATLVDNISTM ALLCTERGAP GVSVDMNITY MSPAKLGEDI VITAHVLKQG KTLAFTSVDL TNKATGKLIA QGRHTKHLGN.		
Formulation	The ACOT13 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.		

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.

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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acids (1-140 a.a.) and having a molecular mass of 17.1kDa. The ACOT13 is purified by proprietary chromatographic techniques.

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