

Recombinant Human Acyl-CoA Thioesterase 13, His-tagged

Cat. No. ACOT13-2819H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ACOT13, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 17.1 kDa (160aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	Acyl-coenzyme A thioesterase 13, also known ACOT13, belongs to the thioesterase subfamily of esterase family. Highly expressed in kidney with moderate expression in brain, liver and intestines, ACOT13 contains a hotdog-fold and is thought to co-localize with microtubules, possibly playing a role in cellular proliferation events. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MTSMTQSLRE VIKAMTKARN FERVLGKITL VSAAPGKVIC EMKVEEHTN AIGTLHGGLT ATLVDNISTM ALLCTERGAP GVSVDMNITY MSPAKLGEDI VITAHVLKQG KTLAFTSVDL TNKATGKLIA QGRHTKHLGN
Purity	> 95% by SDS – PAGE.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol.
Concentration	1 mg/ml (determined by Bradford assay).

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Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [ACOT13 acyl-CoA thioesterase 13 \[Homo sapiens \]](#)

Synonyms ACOT13; acyl-CoA thioesterase 13; HT012; THEM2; MGC4961; PNAS-27; acyl-coenzyme A thioesterase 13; hypothalamus protein HT012; thioesterase superfamily member 2; EC 3.1.2.-

Gene ID [55856](#)

mRNA Refseq [NM_001160094](#)

Protein Refseq [NP_001153566](#)

UniProt ID [Q9NPJ3](#)

Chromosome Location 6p22.3

Function acyl-CoA thioesterase activity; hydrolase activity

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