

# Recombinant human ACOT13 protein

Catalog Number: ATGP0731

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-140aa

### UniProt No.

Q9NPJ3

### NCBI Accession No.

NP\_060943

### Alternative Names

Acyl-coenzyme A thioesterase 13, THEM2, HT012, PNAS-27, Acyl-coenzyme A thioesterase 13

## PRODUCT SPECIFICATION

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### Molecular Weight

17.1 kDa (160aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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. Recombinant human ACOT13, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MTSMTQSLRE VIKAMTKARN FERVLGKITL VSAAPGKVIC EMKVVEEHTN AIGTLHGGLT  
ATLVDNISTM ALLCTERGAP GVSVDMNITY MSPAKLGEDI VITAHVLKQG KTLAFTSVDL TNKATGKLIQ QGRHTKHLGN

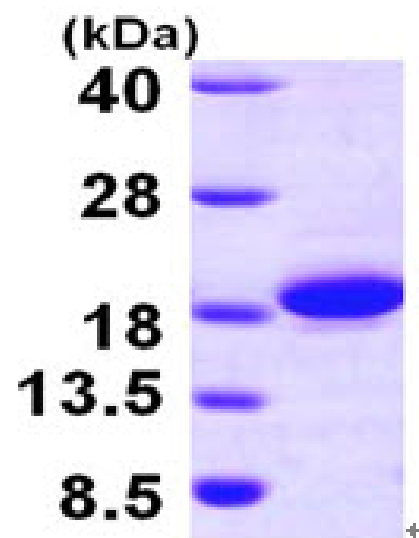
## General References

Kanno K., et al. (2007) J Biol Chem. 282:30728-30736.

Cheng Z., et al. (2006) Biochem Biophys Res Commun. 350:850-853.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)