

# Product information



## ACOT13, 1- 140 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0731

**Full name:** Acyl-coenzyme A thioesterase 13

**NCBI Accession No.:** NP\_060943

**Synonyms:** THEM2, HT012, PNAS-27

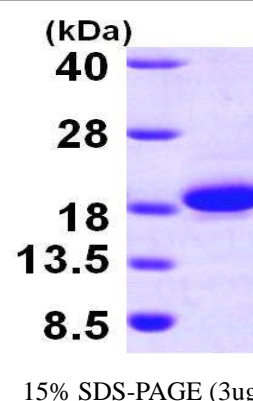
**Description:** Acyl-coenzyme A thioesterase 13, also known ACOT13, belongs to the thioesterase subfamily of esterase family. Highly expressed in kidney with moderate expression in brain, liver and intestines, ACOT13 contains a hotdog-fold and is thought to co-localize with microtubules, possibly playing 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.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

**Molecular Weight:** 17.1 kDa (160aa), confirmed by MALDI-TOF

**Purity:** > 95% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MTSMTQSLRE VIKAMTKARN FERVLGKITL VSAAPGKVIC EMKVVEEHTN AIGTLHGGLT ATLVDNISTM  
ALLCTERGAP GVSVDMNITY MSPAKLGEDI VITAHVLKQG KTLAFTSVDL TNKATGKLI A 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.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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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.

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