## **PRODUCT INFORMATION**

**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**

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

#### 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 hotdogfold 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.



#### **Amino acid Sequence**

<MGSSHHHHHH SSGLVPRGSH> MTSMTQSLRE VIKAMTKARN FERVLGKITL VSAAPGKVIC EMKVEEEHTN AIGTLHGGLT ATLVDNISTM ALLCTERGAP GVSVDMNITY MSPAKLGEDI VITAHVLKQG KTLAFTSVDL TNKATGKLIA 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.