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.



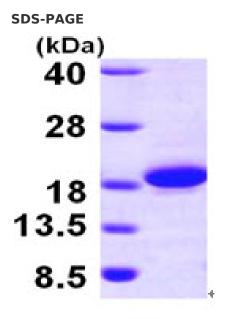
Amino acid Sequence

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



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

15% SDS-PAGE (3ug)