

Recombinant human ACOT11 protein

Catalog Number: ATGP2436

PRODUCT INFORMATION

Expression system

E.coli

Domain

19-250aa

UniProt No.

Q8WXI4

NCBI Accession No.

NP_671517

Alternative Names

Thioesterase adipose associated isoform BFIT2, Acyl-CoA thioesterase 11, THEA, STASTARD14, BFIT, KIAA0707, BFIT1, THEM1

PRODUCT SPECIFICATION

Molecular Weight

29.9 kDa (268aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

BFIT is a member of the acyl-CoA thioesterase family which catalyse the conversion of activated fatty acids to the corresponding non-esterified fatty acid and coenzyme A. Expression of a mouse homolog in brown adipose tissue is induced by low temperatures and repressed by warm temperatures. Higher levels of expression of the mouse homolog has been found in obesity-resistant mice compared with obesity-prone mice, suggesting a role of acyl-CoA thioesterase 11 in obesity. The protein has acyl-CoA thioesterase activity towards medium (C12) and

Recombinant human ACOT11 protein

Catalog Number: ATGP2436

long-chain (C18) fatty acyl-CoA substrates. Recombinant human ACOT11 protein, fused to His-tag at N-terminus, was expressed in E. coli

Amino acid Sequence

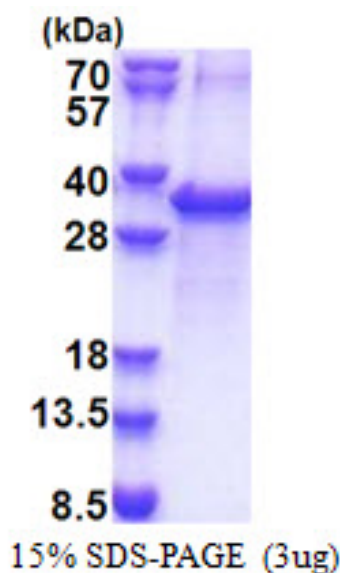
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSNRTS RKSALRAGND SAMADGEGYR NPTEVQMSQL
VLPCHTNQRG ELSVGQLLKW IDTTACLSAE RHAGCPCVTA SMDDIYFEHT ISVGQVVNIK AKVNRAFNSS MEVGIVASE
DLCSEKQWNV CKALATFVAR REITKVCLKQ ITPRTEEEKM EHSVAAERRR MRLVYADTIK DLLANCAIQG DLESRDCSR
M VPAEKTRVES VELVLPphan HQGNTFGGQI MAWMENVA

General References

Thorsell AG, Lee WH., et al. (2011) Plos One 6 p.19521

DATA

SDS-PAGE



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