Datasheet for ABIN5853381

ACOT11 Protein (AA 19-250) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	ACOT11
Protein Characteristics:	AA 19-250
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACOT11 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSNRTS RKSALRAGND SAMADGEGYR NPTEVQMSQL VLPCHTNQRG ELSVGQLLKW IDTTACLSAE RHAGCPCVTA SMDDIYFEHT ISVGQVVNIK AKVNRAFNSS MEVGIQVASE DLCSEKQWNV CKALATFVAR REITKVKLKQ ITPRTEEEKM EHSVAAERRR MRLVYADTIK DLLANCAIQG DLESRDCSRM VPAEKTRVES VELVLPPHAN HQGNTFGGQI MAWMENVA
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	ACOT11
Alternative Name:	BFIT (ACOT11 Products)
Background:	BFIT is a member of the acyl-CoA thioesterase family which catalyse the conversion of

Target Details

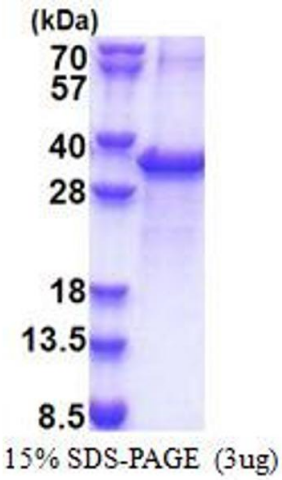
	activated fatty acids to the corresponding non-esterified fatty acid and coenzyme A. Expression of a mouse homolog in brown adipose tissue is induced by low temperatures and repressed by warm temperatures. Higher levels of expression of the mouse homolog has been found in obesity-resistant mice compared 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 long-chain (C18) fatty acyl-CoA substrates. Recombinant human BFIT protein, fused to His-tag at N-terminus, was expressed in E.coli
Molecular Weight:	29.9kDa (268aa)
NCBI Accession:	NP_671517
UniProt:	Q8WXI4

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Denatured
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.