abcam

Product datasheet

Recombinant Human Acyl-coenzyme A Thioesterase 8 protein ab156739

1 Image

Overview

Product name	Recombinant Human Acyl-coenzyme A Thioesterase 8 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	O14734
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSSPQAP EDGQGCGDRG DPPGDLRSVL VTTVLNLEPL DEDLFRGRHY WVPAKRLFGG QIVGQALVAA AKSVSEDVHV HSLHCYFVRA GDPKLPVLYQ VERTRTGSSF SVRSVKAVQH GKPIFICQAS FQQAQPSPMQ HQFSMPTVPP PEELLDCETL IDQYLRDPNL QKRYPLALNR IAAQEVPIEI KPVNPSPLSQ LQRMEPKQMF WVRARGYIGE GDMKMHCCVA AYISDYAFLG TALLPHQWQH KVHFMVSLDH SMWFHAPFRA DHWMLYECES PWAGGSRGLV HGRLWRQDGV LAVTCAQEGV IRVKPQVSES KL
Molecular weight	38 kDa including tags
Amino acids	1 to 319
Tags	His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab156739** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE

	Mass Spectrometry
Mass spectrometry	MALDI-TOF
Purity	>95% by SDS-PAGE . ab156739 was purified by using conventional chromatography techniques.
Form	Liquid

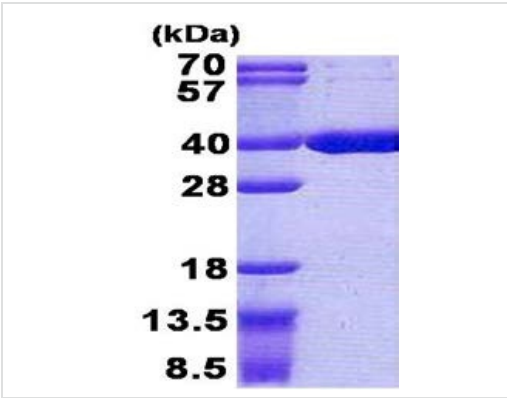
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.03% DTT, 0.32% Tris HCl, 40% Glycerol, 1.17% Sodium chloride

General Info

Function	Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. May mediate Nef-induced down-regulation of CD4. Major thioesterase in peroxisomes. Competes with BAAT (Bile acid CoA: amino acid N-acyltransferase) for bile acid-CoA substrate (such as chenodeoxycholoyl-CoA). Shows a preference for medium-length fatty acyl-CoAs (By similarity). May be involved in the metabolic regulation of peroxisome proliferation.
Tissue specificity	Detected in a T-cell line (at protein level). Ubiquitous.
Sequence similarities	Belongs to the C/M/P thioester hydrolase family.
Cellular localization	Peroxisome.

Images



SDS-PAGE - Recombinant Human Acyl-coenzyme A Thioesterase 8 protein (ab156739)

15% SDS-PAGE analysis of ab156739 (3µg)

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