abcam

Product datasheet

Recombinant Human FACL4 protein ab152375

1 Image

Overview

Product name	Recombinant Human FACL4 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Accession	O60488-2
Species	Human
Sequence	MAKRIKAKPTSDKPGSPYRSVTHFDSLAVIDIPGADTL DKLFDHAVSKFG KKDSLGTREILSEENEMQPNGKVFKKLILGNYKWMNYL EVNRRVNNFGSG LTALGLKPKNTIAIFCETRAEWMIAAQTCFKYNFPLVTLY ATLGKEAVVH GLNESEASYLITSVELLESKLKTALLDISCVKHIIYVDNK AINKAEYPEG FEIHSMQSVEELGSNPENLGIPPSRPTPSDMAIVMYTS GSTGRPKGVMMH HSNLIAGMTGQCERIPGLGPKDTYIGYLPLAHVLELTAEI SCFTYGCRIG YSSPLTLSDQSSKIKKGSKGDCTVLKPTLMAAVPEIMD RIYKNVMSKVQE MNYIQKTLFKIGYDYKLEQIKKGYDAPLCNLLLFKKVKAL LGGNVRMMLS GGAPLSPQTHRFMNVCFCCPIGQGYGLTESCGAGTVT EVTDYTTGRVGAP LICCEIKLKDWQEGGYTINDKPNPRGEIVIGGQNISMGYF KNEEKTAEDY SVDENGQRWFCTGDIGEFHPDGCLQIIDRKKDLVKLQ AGEYVSLGKVEAA LKNCPLIDNICAFAKSDQSYVISFVVPNQKRLTLLAQQK GVEGTWVDICN NPAMEAEILKEIREAANAMKLERFEIPIKVRLSPEPWTP

ETGLVTDAFKL KRKELRNHYLKDIERMYGGK

Molecular weight	101 kDa including tags
Amino acids	1 to 670

Specifications

Our Abpromise guarantee covers the use of **ab152375** in the following tested applications.

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

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

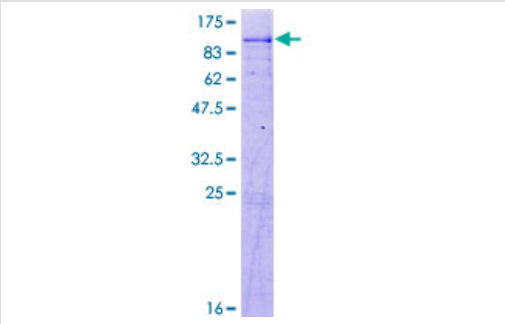
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Preferentially uses arachidonate and eicosapentaenoate as substrates.
Involvement in disease	Defects in ACSL4 are the cause of mental retardation X-linked type 63 (MRX63) [MIM:300387]. Mental retardation is a mental disorder characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs. Defects in ACSL4 are involved in Alport syndrome with mental retardation midface hypoplasia and elliptocytosis (ATS-MR) [MIM:300194]. A X-linked contiguous gene deletion syndrome characterized by glomerulonephritis, deafness, mental retardation, midface hypoplasia and elliptocytosis.
Sequence similarities	Belongs to the ATP-dependent AMP-binding enzyme family.
Cellular localization	Mitochondrion outer membrane. Peroxisome membrane. Microsome membrane. Endoplasmic reticulum membrane.

Images



SDS-PAGE - Recombinant Human FACL4 protein (ab152375)

12.5% SDS-PAGE analysis of ab152375 stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors