

Datasheet for ABIN7551859
Acsl3 Protein (AA 1-720) (His tag)



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Overview

Quantity:	1 mg
Target:	Acsl3
Protein Characteristics:	AA 1-720
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Acsl3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ACSL3 Protein expressed in mammalian cells.
Sequence:	MNNHVSSKPS TMCLKHTINP ILLYFIHFLI SLYTILTYIP FYFFSESQRQE KSNRIKAKPV NSKPDSAYRS VNSLDGLASV LYPGCDTLDK VFTYAKNKFK NKRLGTREV LNEEDEVQPN GKIFKKVILG QYNWLSYEDV FVRAFNFNGNG LQMLGQKPKT NIAIFCETRA EWMIAAQACF MYNFQLVTLY ATLGGAIVH ALNETEVTNI ITSKELLQTK LKDIVSLVPR LRHIITVDGK PPTWSEFPKG IIVHTMAAVE ALGAKASMEN QPHSKPLPSD IAVIMYTSQS TGLPKGVMIS HSNIIAGITG MAERIPELGE EDVYIGYLPL AHVLELSAEL VCLSHGCRIG YSSPQTLADQ SSKIKKGSKG DTSMLKPTLM AAVPEIMDRI YKNVMNKVSE MSSFQRNLFI LAYNYKMEQI SKGRNTPLCD SFVFRKVRSL LGGNIRLLLC GGAPLSATTQ RFMNICFCCP VGQGYGLTES AGAGTISEVW DYNTGRVGAP LVCCEIKLKN WEEGGYFNTD KPHPRGEILI GGQSVTMGYG KNEAKTKADF FEDENGQRWL CTGDIGEFEP DGCLKIIDRK KDLVKLQAGE YVSLGKVEAA LKNLPLVDNI CAYANSYHSY VIGFVVPNQK ELTELARKKG LKGTWEELCN SCEMENEVLK

Product Details

VLSEAAISAS LEKFEIPVKI RLSPEPWTP E TGLVTDAFKL KRKELKTHYQ ADIERMYGRK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

Acsl3

Alternative Name:

ACSL3 ([Acsl3 Products](#))

Background:

Fatty acid CoA ligase Acsl3 (Arachidonate--CoA ligase) (EC 6.2.1.15) (Long-chain acyl-CoA synthetase 3) (LACS 3) (Long-chain-fatty-acid--CoA ligase 3) (EC 6.2.1.3) (Medium-chain acyl-CoA ligase Acsl3) (EC 6.2.1.2),FUNCTION: Acyl-CoA synthetases (ACSL) activates long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation (PubMed:22633490). Required for the incorporation of fatty acids into phosphatidylcholine, the major phospholipid located on the surface of VLDL (very low density lipoproteins) (PubMed:18003621). Has mainly an anabolic role in energy metabolism. Mediates hepatic lipogenesis. Preferentially uses myristate, laurate, arachidonate and eicosapentaenoate as substrates. Both isoforms exhibit the same level of activity (By similarity).

Target Details

{ECO:0000250|UniProtKB:Q63151, ECO:0000269|PubMed:18003621, ECO:0000269|PubMed:22633490}.

Molecular Weight: 80.4 kDa

UniProt: [O95573](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months