

Recombinant Human ACSL1 lysate, Myc/DDK-tagged

Cat. No. ACSL1-2849HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Transient overexpression lysate of acyl-CoA synthetase long-chain family member 1 (ACSL1) with a C-Myc/DDK tag was expressed in HEK293T.

Components:

- 1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer
- 1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer
- 1 vial of 250 µL 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)

The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1×Proteinase inhibitor cocktail mix), 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit. Cell lysates were aliquoted and stored at -20 centigrade before shipping.

Species Human

Source HEK293

Description

The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. Several transcript variants encoding different isoforms have been found for this gene.

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Molecular Mass	77.8 kDa
Stability	Lysate samples are stable for 12 months from the date of receipt when stored at -80 centigrade.
Storage	Upon receiving, store the sample at -80 centigrade. Also after dilution, the protein sample should be aliquoted and stored at -80 centigrade for long term storage. Avoid repeated freeze-thaw cycles
Dilutions	Lysate samples can be diluted with 2×SDS Sample Buffer provided.

GENE INFORMATION

Gene Name	ACSL1 acyl-CoA synthetase long chain family member 1 [Homo sapiens (human)]
Official Symbol	ACSL1
Synonyms	ACSL1; acyl-CoA synthetase long chain family member 1; ACS1; LACS; FACL1; FACL2; LACS1; LACS2; long-chain-fatty-acid--CoA ligase 1; LACS 1; LACS 2; acyl-CoA synthetase 1; arachidonate--CoA ligase; fatty-acid-Coenzyme A ligase, long-chain 1; fatty-acid-Coenzyme A ligase, long-chain 2; lignoceroyl-CoA synthase; long-chain acyl-CoA synthetase 1; long-chain acyl-CoA synthetase 2; long-chain fatty acid-CoA ligase 2; long-chain fatty-acid-coenzyme A ligase 1; palmitoyl-CoA ligase 1; palmitoyl-CoA ligase 2; palmitoyl-CoA ligase 1; phytanate--CoA ligase; EC 6.2.1.15; EC 6.2.1.24; EC 6.2.1.3
Gene ID	2180
mRNA Refseq	NM_001995
Protein Refseq	NP_001986

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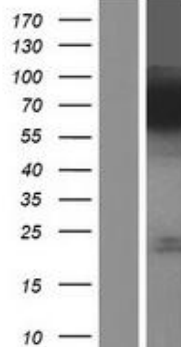
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MIM 152425

UniProt ID P33121

WB



Western blot validation of overexpression lysate using anti-DDK antibody.

Left: Cell lysates from un-transfected HEK293T cells

Right: Cell lysates from HEK293T cells transfected with ACSL1 using transfection reagent MegaTran 2.0

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