Recombinant Human ACSL1 Protein, His-tagged

Cat. No. ACSL1-51H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACSL1 Protein (Gly457-Val698) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly457-Val698
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.7 kDa Accurate Molecular Mass: 31 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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; FACL2, fatty acid Coenzyme A ligase, long chain 2; long-chain-fatty-acid--CoA ligase 1; ACS1; FACL1; LACS; LACS1; LACS2; lignoceroyl CoA synthase; long chain fatty acid coenzyme A ligase 1; LACS 1; LACS 2; acyl-CoA synthetase 1; palmitoyl-CoA ligase 1; palmitoyl-CoA ligase 2; paltimoyl-CoA ligase 1; 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; fatty-acid-Coenzyme A ligase, long-chain 1; fatty-acid-Coenzyme A ligase, long-chain 2; FACL2
Gene ID	2180
mRNA Refseq	NM_001995

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Protein Refseq	NP_001986
MIM	152425
UniProt ID	P33121

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