

Recombinant Human ACSL1 Protein, GST-tagged

Cat. No. ACSL1-195H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACSL1 partial ORF (NP_001986, 48 a.a. - 145 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. This isozyme preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the mental retardation or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants. [provided by RefSeq, Jan 2016]
Molecular Mass	36.52 kDa
AA Sequence	PKPLKPPCDLSMQSVEVAGSGGARRSALLDSDEPLVYFYDDVTTLTYEGFQRGIQVS NNGPCLGSRKPDQPYEWLSYKQVAELSECIGSALIQKGFKTA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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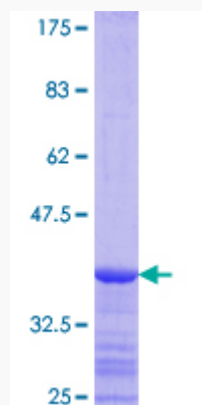
 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ACSL1 acyl-CoA synthetase long-chain family member 1 [Homo sapiens]
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
Protein Refseq	NP_001986
MIM	152425
UniProt ID	P33121

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12.5% SDS-PAGE Stained with Coomassie Blue.

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