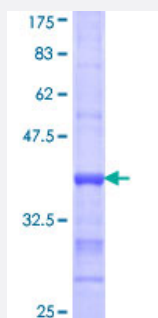


ACSL1 (Human) Recombinant Protein (Q01)

Catalog # H00002180-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ACSL1 partial ORF (NP_001986, 48 a.a. - 145 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PKPLKPPCDLSMQSVEVAGSGGARRSALLDSDEPLVYFYDDVTTLYEGFQRGIQVSNNGPCLGS RKPDQPYEWLSYKQVAELSECIGSALIQKGFKTA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (79); Rat (78)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ACSL1

Entrez GeneID [2180](#)

GeneBank Accession# [NM_001995](#)

Protein Accession# [NP_001986](#)

Gene Name ACSL1

Gene Alias ACS1, FACL1, FACL2, LACS, LACS1, LACS2

Gene Description acyl-CoA synthetase long-chain family member 1

Omim ID [152425](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations 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-coenzyme A ligase 1|palmitoyl-CoA ligase 2|paltimoyl-CoA

Pathway

- [Adipocytokine signaling pathway](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)

- [PPAR signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)