

## Recombinant Human ACSL4 Protein, GST-tagged

**Cat. No.** ACSL4-198H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ACSL4 full-length ORF ( NP_004449.1, 1 a.a. - 670 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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]
<b>Molecular Mass</b>	100.8 kDa
<b>AA Sequence</b>	MAKRIKAKPTSDKPGSPYRSVTHFDSLAVIDIPGADTLDKLFDHAVSKFGKKDSLGR EILSEENEMQPNGKVFKKLILGNYKWMNYLEVNRVNNFGSGLTALGLKPKNTIAIFC ETRAEWMIAAQTCFKYNFPLVTLTYATLGKEAVVHGLNESEASYLITSVELLESKCLKTA LLDISCVKHIIYVDNKAINKAEYPEGFEIHSMQSVEELGSNPENLGIPPSRPTPSDMAI VMYTSGSTGRPKGVMMHHSNLIAGMTGQCERIPGLGPKDITYIGYLPLAHVLELTAEI SCFTYGCRIGYSSPLTSLDQSSKIKKGGSKGDCTVLKPTLMAAVPEIMDRIYKNVMSKV

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

QEMNYIQKTLFKIGYDYKLEQIKKGYDAPLCNLLLFKKVKALLGGNVRMMLSGGAPL  
 SPQTHRFMNVCFCCPIGQGYGLTESCGAGTVTEVTDYTTGRVGAPLICCEIKLKD  
 WQEGGYTINDKPNPRGEIVIGGQNISMGYFKNEEKTAEDYSVDENGQRWFCTGDIGE  
 FHPDGCLQIIDRKKDLVKLQAGEYVSLGKVEAALKNCPLIDNICAFKSDQSYVISFVV  
 PNQKRLTLAQQKGVETWVDICNNPAMEAEILKEIREAANAMKLERFEIPIKVRVLS  
 PEPWTPETGLVTDFAFKLRKELRNHYLKDIERMYGGK

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

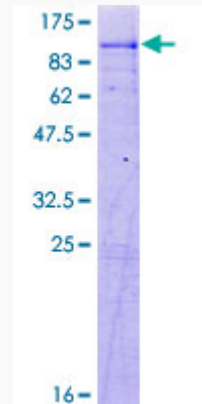
<b>Gene Name</b>	ACSL4 acyl-CoA synthetase long-chain family member 4 [ Homo sapiens ]
<b>Official Symbol</b>	ACSL4
<b>Synonyms</b>	ACSL4; acyl-CoA synthetase long-chain family member 4; FACL4, fatty acid Coenzyme A ligase, long chain 4 , mental retardation, X linked 63 , mental retardation, X linked 68 , MRX63, MRX68; long-chain-fatty-acid--CoA ligase 4; long chain fatty acid Coenzyme A ligase 4; ACS4; LACS4; lignoceroyl CoA synthase; LACS 4; acyl-CoA synthetase 4; lignoceroyl-CoA synthase; long-chain acyl-CoA synthetase 4; long-chain fatty-acid-Coenzyme A ligase 4; fatty-acid-Coenzyme A ligase, long-chain 4; FACL4; MRX63; MRX68;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

Gene ID	2182
mRNA Refseq	NM_004458
Protein Refseq	NP_004449
MIM	300157
UniProt ID	O60488



12.5% SDS-PAGE Stained with Coomassie Blue.

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

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