

Recombinant Human ACSL4 Protein, GST-tagged

Cat. No. ACSL4-199H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ACSL4 partial ORF (NP_004449.1, 581 a.a. - 670 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>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]</p>
Molecular Mass	35.64 kDa
AA Sequence	RLTLAQKQKGVGTWVDICNNPAMEAEILKEIREAANAMKLERFEIPIKVRLSPEPWT PETGLVTDAFKLKRKELRNHYLKDIERMYGGK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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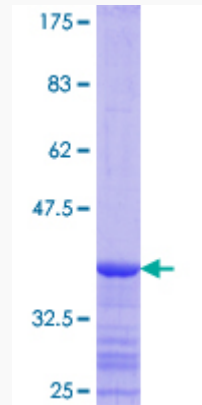
 45-1 Ramsey Road, Shirley, NY 11967, USA

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	ACSL4 acyl-CoA synthetase long-chain family member 4 [Homo sapiens]
Official Symbol	ACSL4
Synonyms	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;
Gene ID	2182
mRNA Refseq	NM_004458
Protein Refseq	NP_004449
MIM	300157
UniProt ID	O60488

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12.5% SDS-PAGE Stained with Coomassie Blue.

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