

Recombinant Human ACSL5 Protein, GST-tagged

Cat. No. ACSL5-201H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACSL5 partial ORF (NP_057318, 91 a.a. - 186 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 is highly expressed in uterus and spleen, and in trace amounts in normal brain, but has markedly increased levels in malignant gliomas. This gene functions in mediating fatty acid-induced glioma cell growth. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	36.3 kDa
AA Sequence	PQPVLPLLDLNNQSVGIEGGARKGV SQKNNDLTSCCFSDAKTMYEVFQRGLAVSDN GPCLGYRKPNQPYRWLSYKQVSDRAEYLGSCLLHKG YKSS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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

Protein Array

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.

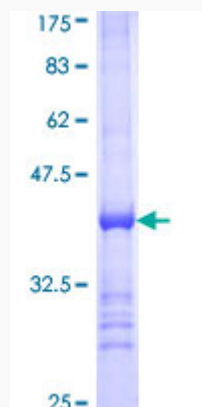
GENE INFORMATION

Gene Name	ACSL5 acyl-CoA synthetase long-chain family member 5 [Homo sapiens]
Official Symbol	ACSL5
Synonyms	ACSL5; acyl-CoA synthetase long-chain family member 5; FACL5, fatty acid Coenzyme A ligase, long chain 5; long-chain-fatty-acid--CoA ligase 5; ACS2; ACS5; FACL5 for fatty acid coenzyme A ligase 5; fatty acid Coenzyme A ligase; long chain 5; long chain acyl CoA synthetase 5; long chain fatty acid coenzyme A ligase 5; LACS 5; fatty acid coenzyme A ligase 5; long-chain acyl-CoA synthetase 5; long-chain fatty acid coenzyme A ligase 5; fatty-acid-Coenzyme A ligase, long-chain 5; FACL5;
Gene ID	51703
mRNA Refseq	NM_016234
Protein Refseq	NP_057318
MIM	605677
UniProt ID	Q9ULC5

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12.5% SDS-PAGE Stained with Coomassie Blue.

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