

Recombinant Human SLC27A5 cell lysate

Cat. No. SLC27A5-1626HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	The protein encoded by this gene is an isozyme of very long-chain acyl-CoA synthetase (VLCS). It is capable of activating very long-chain fatty-acids containing 24- and 26-carbons. It is expressed in liver and associated with endoplasmic reticulum but not with peroxisomes. Its primary role is in fatty acid elongation or complex lipid synthesis rather than in degradation. This gene has a mouse ortholog.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SLC27A5 solute carrier family 27 (fatty acid transporter), member 5 [Homo sapiens]
Official Symbol	SLC27A5
Synonyms	SLC27A5; solute carrier family 27 (fatty acid transporter), member 5; bile acyl-CoA synthetase; ACSB; ACSVL6; FACVL3; FATP5; fatty acid Coenzyme A ligase; very long chain 3; FLJ22987; VLACSR; VLCS H2; VLCSH2; BA-CoA ligase; VLACS-related; cholate--CoA ligase; bile acid-CoA ligase; fatty acid transport protein 5; solute

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

carrier family 27 member 5; very long-chain acyl-CoA synthetase homolog 2; fatty-acid-Coenzyme A ligase, very long-chain 3; very long-chain acyl-CoA synthetase-related protein; BAL; BACS; FATP-5; VLCS-H2;

Gene ID [10998](#)

mRNA Refseq [NM_012254](#)

Protein Refseq [NP_036386](#)

MIM [603314](#)

UniProt ID [Q9Y2P5](#)

Chromosome Location 19q13.43

Pathway Bile acid and bile salt metabolism, organism-specific biosystem; Bile acid biosynthesis, cholesterol =>cholate, organism-specific biosystem; Bile acid biosynthesis, cholesterol => cholate, conserved biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem;

Function ATP binding; cholate-CoA ligase activity; fatty acid transporter activity; ligase activity; nucleotide binding; protein complex binding; very long-chain fatty acid-CoA ligase activity;

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