

Recombinant Human SLC27A2 293 Cell Lysate

Cat. No. SLC27A2-1750HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 27 (fatty acid transporter), member 2 (SLC27A2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name SLC27A2 solute carrier family 27 (fatty acid transporter), member 2 [Homo sapiens]

Official Symbol SLC27A2

Synonyms

SLC27A2; solute carrier family 27 (fatty acid transporter), member 2; FACVL1; very long-chain acyl-CoA synthetase; ACSVL1; FATP2; hFACVL1; HsT17226; VLACS; VLCS; FATP-2; THCA-CoA ligase; fatty acid transport protein 2; long-chain-fatty-acid-CoA ligase; solute carrier family 27 member 2; very-long-chain acyl-CoA synthetase; very long-chain-fatty-acid-CoA ligase; very long-chain fatty-acid-coenzyme A ligase 1; fatty-acid-coenzyme A ligase, very long-chain 1;

Gene ID 11001

mRNA Refseq NM_001159629

Protein Refseq NP_001153101

MIM 603247

UniProt ID O14975

Chromosome Location 15q21.2

Pathway Alpha-oxidation of phytanate, organism-specific biosystem; Bile acid and bile salt

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metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; Peroxisomal lipid metabolism, organism-specific biosystem;

Function

ATP binding; catalytic activity; fatty acid transporter activity; ligase activity; long-chain fatty acid-CoA ligase activity; nucleotide binding; phytanate-CoA ligase activity; pristanate-CoA ligase activity; very long-chain fatty acid-CoA ligase activity;

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