

Recombinant Human ACSL4 293 Cell Lysate

Cat. No. ACSL4-9075HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for acyl-CoA synthetase long-chain family member 4 (ACSL4), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC221413, OriGene Technologies, Inc.) 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.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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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 [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_022977](#)

Protein Refseq [NP_075266](#)

MIM [300157](#)

UniProt ID [O60488](#)

Chromosome Location [Xq22.3-q23](#)

Pathway [Adipocytokine signaling pathway, organism-specific biosystem](#); [Adipocytokine](#)

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signaling pathway, conserved biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; Fatty Acyl-CoA Biosynthesis, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem;

Function

ATP binding; arachidonate-CoA ligase activity; ligase activity; long-chain fatty acid-CoA ligase activity; nucleotide binding;

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