

Recombinant Human SLC27A4 cell lysate

Cat. No. SLC27A4-001HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FATP4 / SLC27A4 derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer.
Species	Human
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min.3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.Notes:The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	SLC27A4 solute carrier family 27 (fatty acid transporter), member 4 [Homo sapiens]
Official Symbol	SLC27A4
Synonyms	SLC27A4; solute carrier family 27 (fatty acid transporter), member 4; long-chain fatty acid transport protein 4; ACSVL4; FATP4; IPS;
Gene ID	10999
mRNA Refseq	NM_005094
Protein Refseq	NP_005085
MIM	604194
UniProt ID	Q6P1M0
Chromosome Location	9q34.13

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Pathway

Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of fatty acids, organism-specific biosystem;

Function

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

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