

Recombinant Human ACSBG1 293 Cell Lysate

Cat. No. ACSBG1-9079HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for acyl-CoA synthetase bubblegum family member 1 (ACSBG1) 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

[ACSBG1 acyl-CoA synthetase bubblegum family member 1 \[Homo sapiens \]](#)

Official Symbol

ACSBG1

Synonyms

ACSBG1; acyl-CoA synthetase bubblegum family member 1; long-chain-fatty-acid--CoA ligase ACSBG1; BG1; BGM; bubblegum; FLJ30320; hBG1; hsBG; KIAA0631; lipidosis; MGC14352; very long chain acyl CoA synthetase; very long-chain acyl-CoA synthetase; BG; LPD; GR-LACS;

Gene ID

[23205](#)

mRNA Refseq

[NM_001199377](#)

Protein Refseq

[NP_001186306](#)

MIM

[614362](#)

UniProt ID

[Q96GR2](#)

Chromosome Location

15q23-q24

Pathway

Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem; Metabolic pathways,

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organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem;
PPAR signaling pathway, conserved biosystem;

Function

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

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