

Recombinant Human SCP2 293 Cell Lysate

Cat. No. SCP2-2023HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for sterol carrier protein 2 (SCP2), 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 SCP2 sterol carrier protein 2 [Homo sapiens]

Official Symbol SCP2

Synonyms SCP2; sterol carrier protein 2; non-specific lipid-transfer protein; sterol carrier protein X; propanoyl-CoA C-acyltransferase; NLTP; SCPX; SCP-2; SCP-X; NSL-TP; SCP-CHI; DKFZp686C12188; DKFZp686D11188;

Gene ID 6342

mRNA Refseq NM_001007098

Protein Refseq NP_001007099

MIM 184755

UniProt ID P22307

Chromosome Location 1p32

Pathway Beta-oxidation of pristanoyl-CoA, organism-specific biosystem; Bile acid and bile salt metabolism, organism-specific biosystem; Bile acid biosynthesis, cholesterol =>cholate, organism-specific biosystem; Bile acid biosynthesis, cholesterol => cholate, conserved biosystem; Metabolic pathways, organism-specific biosystem;

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Function

catalytic activity; lipid binding; propanoyl-CoA C-acyltransferase activity; protein binding; sterol binding; transferase activity; transferase activity, transferring acyl groups other than amino-acyl groups;

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