

Recombinant Human SOAT2 293 Cell Lysate

Cat. No. SOAT2-1583HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for sterol O-acyltransferase 2 (SOAT2) 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

SOAT2 sterol O-acyltransferase 2 [Homo sapiens]

Official Symbol

SOAT2

Synonyms

SOAT2; sterol O-acyltransferase 2; ACAT2; ACAT-2; cholesterol acyltransferase 2; acyl-CoA:cholesterol acyltransferase 2; acyl Co-A: cholesterol acyltransferase 2; acyl coenzyme A:cholesterol acyltransferase 2; acyl-coenzyme A:cholesterol acyltransferase 2; ARGP2; ACACT2; MGC116732;

Gene ID

8435

mRNA Refseq

NM_003578

Protein Refseq

NP_003569

MIM

601311

UniProt ID

O75908

Chromosome Location

12

Pathway

Steroid biosynthesis, organism-specific biosystem; Steroid biosynthesis, conserved biosystem;

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Function

cholesterol O-acyltransferase activity; cholesterol binding; fatty-acyl-CoA binding; transferase activity, transferring acyl groups;

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