

Recombinant Human SLC25A1 293 Cell Lysate

Cat. No. SLC25A1-1786HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1 (SLC25A1), nuclear gene encoding mitochondrial protein 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

SLC25A1 solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1 [Homo sapiens]

Official Symbol

SLC25A1

Synonyms

SLC25A1; solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1; SLC20A3, solute carrier family 20 (mitochondrial citrate transporter), member 3; tricarboxylate transport protein, mitochondrial; CTP; citrate transport protein; tricarboxylate carrier protein; solute carrier family 20 (mitochondrial citrate transporter), member 3; SEA; SLC20A3;

Gene ID

6576

mRNA Refseq

NM_001256534

Protein Refseq

NP_001243463

MIM

190315

UniProt ID

P53007

Chromosome Location

22q11

Pathway

Fatty Acyl-CoA Biosynthesis, organism-specific biosystem; Fatty acid, triacylglycerol,

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and ketone body metabolism, organism-specific biosystem; Gluconeogenesis, organism-specific biosystem; Glucose metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem;

Function

binding; citrate transmembrane transporter activity;

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