

Recombinant Human SLC25A20 293 Cell Lysate

Cat. No. SLC25A20-1777HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 (SLC25A20), 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

SLC25A20 solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [*Homo sapiens*]

Official Symbol

SLC25A20

Synonyms

SLC25A20; solute carrier family 25 (carnitine/acylcarnitine translocase), member 20; CACT; mitochondrial carnitine/acylcarnitine carrier protein; CAC; carnitine acylcarnitine carrier; carnitine/acylcarnitine translocase;

Gene ID

788

mRNA Refseq

NM_000387

Protein Refseq

NP_000378

MIM

613698

UniProt ID

O43772

Chromosome Location

3p21.31

Pathway

Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Import of palmitoyl-CoA into the mitochondrial matrix, organism-specific biosystem; Metabolism, organism-

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specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Mitochondrial LC-Fatty Acid Beta-Oxidation, organism-specific biosystem;

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