

Recombinant Human SLC25A21 293 Cell Lysate

Cat. No. SLC25A21-1776HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21 (SLC25A21), nuclear gene encoding mitochondrial protein, 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 SLC25A21 solute carrier family 25 (mitochondrial oxoadipate carrier), member 21 [Homo sapiens]

Official Symbol SLC25A21

Synonyms SLC25A21; solute carrier family 25 (mitochondrial oxoadipate carrier), member 21; solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21; mitochondrial 2-oxodicarboxylate carrier; ODC; ODC1; oxodicarboxylate carrier; solute carrier family 25 member 21; MGC126570;

Gene ID 89874

mRNA Refseq NM_001171170

Protein Refseq NP_001164641

MIM 607571

UniProt ID Q9BQT8

Chromosome Location 14q13.3

Pathway Lysine catabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem;

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Function

binding;

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