

Recombinant Human SLC25A10 293 Cell Lysate

Cat. No. SLC25A10-1785HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10 (SLC25A10), 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

SLC25A10 solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10 [Homo sapiens]

Official Symbol

SLC25A10

Synonyms

SLC25A10; solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10; DIC; mitochondrial dicarboxylate carrier; dicarboxylate ion carrier; solute carrier family 25 member 10;

Gene ID

1468

mRNA Refseq

NM_012140

Protein Refseq

NP_036272

MIM

606794

UniProt ID

Q9UBX3

Chromosome Location

17q25.3

Pathway

Degradation of cysteine and homocysteine, organism-specific biosystem; Gluconeogenesis, organism-specific biosystem; Glucose metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino

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acids and derivatives, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Organic anion transporters, organism-specific biosystem;

Function

antiporter activity; dicarboxylic acid transmembrane transporter activity; malate transmembrane transporter activity; phosphate ion transmembrane transporter activity; protein binding; succinate transmembrane transporter activity; sulfate transmembrane transporter activity; thiosulfate transmembrane transporter activity;

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