

Recombinant Human SLC25A31 293 Cell Lysate

Cat. No. SLC25A31-1769HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31 (SLC25A31), 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

SLC25A31 solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31 [Homo sapiens]

Official Symbol

SLC25A31

Synonyms

SLC25A31; solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31; ADP/ATP translocase 4; ANT4; DKFZP434N1235; ANT 4; ADP,ATP carrier protein 4; adenine nucleotide translocase 4; adenine nucleotide translocator 4; solute carrier family 25 member 31; sperm flagellar energy carrier protein; AAC4; SFEC35kDa; DKFZp434N1235;

Gene ID

83447

mRNA Refseq

NM_031291

Protein Refseq

NP_112581

MIM

610796

UniProt ID

Q9H0C2

Chromosome Location

4q28

Pathway

Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway,

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conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Parkinsons disease, organism-specific biosystem;

Function

binding; transporter activity;

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