

Recombinant Human SLC25A25 293 Cell Lysate

Cat. No. SLC25A25-1774HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25 (SLC25A25), nuclear gene encoding mitochondrial protein, transcript variant 4 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

SLC25A25 solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25 [Homo sapiens]

Official Symbol

SLC25A25

Synonyms

SLC25A25; solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25; calcium-binding mitochondrial carrier protein SCaMC-2; KIAA1896; MCSC; PCSCL; solute carrier family 25 member 25; mitochondrial ATP-Mg/Pi carrier protein 3; mitochondrial Ca²⁺-dependent solute carrier; short calcium-binding mitochondrial carrier 2; small calcium-binding mitochondrial carrier 2; solute carrier family 25, member 25, isoform a; small calcium-binding mitochondrial carrier protein 2; mitochondrial Ca(2+)-dependent solute carrier protein 3; SCAMC-2; RP11-395P17.4; MGC105138; MGC119514; MGC119515; MGC119516; MGC119517;

Gene ID

114789

mRNA Refseq

NM_001006641

Protein Refseq

NP_001006642

MIM

608745

UniProt ID

Q6KCM7

Chromosome

9q34

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Location	
Function	binding; calcium ion binding;

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