

Recombinant Human SLC25A4 293 Cell Lysate

Cat. No. SLC25A4-1762HCL **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 4 (SLC25A4), 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

SLC25A4 solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4 [Homo sapiens]

Official Symbol

SLC25A4

Synonyms

SLC25A4; solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4; ANT1, PEO2, PEO3; ADP/ATP translocase 1; T1; ANT 1; ADP,ATP carrier protein 1; solute carrier family 25 member 4; heart/skeletal muscle ATP/ADP translocator; ADP,ATP carrier protein, heart/skeletal muscle; adenine nucleotide translocator 1 (skeletal muscle); ANT; AAC1; ANT1; PEO2; PEO3;

Gene ID

291

mRNA Refseq

NM_001151

Protein Refseq

NP_001142

MIM

103220

UniProt ID

P12235

Chromosome Location

4q35

Pathway

Androgen Receptor Signaling Pathway, organism-specific biosystem; Calcium

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Disease, organism-specific biosystem; Electron Transport Chain, organism-specific biosystem; HIV Infection, organism-specific biosystem; HTLV-I infection, organism-specific biosystem;

Function

ATP:ADP antiporter activity; adenine transmembrane transporter activity; enzyme binding; protein binding; transporter activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA