

Recombinant Human SLC25A12 293 Cell Lysate

Cat. No. SLC25A12-1783HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 25 (mitochondrial carrier, Aralar), member 12 (SLC25A12), 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

SLC25A12 solute carrier family 25 (aspartate/glutamate carrier), member 12 [Homo sapiens]

Official Symbol

SLC25A12

Synonyms

SLC25A12; solute carrier family 25 (aspartate/glutamate carrier), member 12; solute carrier family 25 (mitochondrial carrier, Aralar), member 12; calcium-binding mitochondrial carrier protein Aralar1; Aralar; araceli hiperlarga; mitochondrial aspartate glutamate carrier 1; calcium binding mitochondrial carrier superfamily member Aralar1; AGC1; ARALAR;

Gene ID

8604

mRNA Refseq

NM_003705

Protein Refseq

NP_003696

MIM

603667

UniProt ID

O75746

Chromosome Location

2q24

Pathway

Gluconeogenesis, organism-specific biosystem; Glucose metabolism, organism-

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specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, organism-specific biosystem;

Function

L-aspartate transmembrane transporter activity; L-glutamate transmembrane transporter activity; binding; calcium ion binding;

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