

Recombinant Human SLC25A5 293 Cell Lysate

Cat. No. SLC25A5-1757HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5 (SLC25A5), 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.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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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	SLC25A5 solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5 [Homo sapiens]
Official Symbol	SLC25A5
Synonyms	SLC25A5; solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5; ANT2; ADP/ATP translocase 2; 2F1; T2; T3; ANT 2; ADP/ATP carrier protein; ADP,ATP carrier protein 2; solute carrier family 25 member 5; ADP,ATP carrier protein, fibroblast isoform; adenine nucleotide translocator 2 (fibroblast); AAC2;
Gene ID	292
mRNA Refseq	NM_001152
Protein Refseq	NP_001143
MIM	300150
UniProt ID	P05141
Chromosome Location	Xq24
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Disease, organism-specific biosystem; Electron Transport

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Chain, organism-specific biosystem; HIV Infection, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem;

Function

adenine transmembrane transporter activity; protein binding; transporter activity;

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