Recombinant Human SLC25A3 293 Cell Lysate

Cat. No. SLC25A3-1772HCL **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 3 (SLC25A3), nuclear gene encoding mitochondrial protein, transcript variant 1 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	SLC25A3 solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3 [Homo sapiens]
Official Symbol	SLC25A3
Synonyms	SLC25A3; solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3; PHC; phosphate carrier protein, mitochondrial; phosphate transport protein; solute carrier family 25 member 3; mitochondrial phosphate carrier protein; PTP; OK/SW-cl.48;
Gene ID	5250
mRNA Refseq	NM_005888
Protein Refseq	NP_005879
MIM	600370
UniProt ID	Q00325
Chromosome Location	12q23.1
Pathway	C-MYB transcription factor network, organism-specific biosystem;

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Function	phosphate ion carrier activity; symporter activity;

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