Recombinant Human SLC22A5 293 Cell Lysate

Cat. No. SLC22A5-1794HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 22 (organic cation/carnitine transporter), member 5 (SLC22A5) 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	SLC22A5 solute carrier family 22 (organic cation/carnitine transporter), member 5 [Homo sapiens]
Official Symbol	SLC22A5
Synonyms	CDSP; OCTN2; OCTN2VT; solute carrier family 22 member 5; organic cation/carnitine transporter 2; high-affinity sodium dependent carnitine cotransporter
Gene ID	6584
mRNA Refseq	NM_003060
Protein Refseq	NP_003051
MIM	603377
UniProt ID	O76082
Chromosome Location	5q23.3
Pathway	Organic cation transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem
Function	ATP binding; carnitine transmembrane transporter activity; quaternary ammonium

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	group transmembrane transporter activity

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