Recombinant Human SLC22A12 293 Cell Lysate

Cat. No. SLC22A12-1796HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 22 (organic anion/urate transporter), member 12 (SLC22A12), 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	SLC22A12 solute carrier family 22 (organic anion/urate transporter), member 12 [Homo sapiens]
Official Symbol	SLC22A12
Synonyms	SLC22A12; solute carrier family 22 (organic anion/urate transporter), member 12; solute carrier family 22 (organic anion/cation transporter), member 12; solute carrier family 22 member 12; OAT4L; RST; URAT1; urate transporter 1; urate anion exchanger 1; renal-specific transporter; organic anion transporter 4-like protein;
Gene ID	116085
mRNA Refseq	NM_144585
Protein Refseq	NP_653186
MIM	607096
UniProt ID	Q96S37
Chromosome Location	11q13.1
Pathway	Organic anion transport, organism-specific biosystem; Organic cation/anion/zwitterion transport, organism-specific biosystem; SLC-mediated transmembrane transport,

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	organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds, organism-specific biosystem;
Function	PDZ domain binding; urate transmembrane transporter activity;

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