

Recombinant Human SLC22A2 293 Cell Lysate

Cat. No. SLC22A2-1795HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 22 (organic cation transporter), member 2 (SLC22A2) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

SLC22A2 solute carrier family 22 (organic cation transporter), member 2 [Homo sapiens]

Official Symbol

SLC22A2

Synonyms

SLC22A2; solute carrier family 22 (organic cation transporter), member 2; solute carrier family 22 member 2; OCT2; organic cation transporter 2; MGC32628;

Gene ID

6582

mRNA Refseq

NM_003058

Protein Refseq

NP_003049

MIM

602608

UniProt ID

O15244

Chromosome Location

6q25.3

Pathway

Na⁺/Cl⁻ dependent neurotransmitter transporters, organism-specific biosystem; Neuronal System, organism-specific biosystem; Neurotransmitter Clearance In The Synaptic Cleft, organism-specific biosystem; Neurotransmitter Release Cycle, organism-specific biosystem; Norepinephrine Neurotransmitter Release Cycle,

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organism-specific biosystem; Organic cation transport, organism-specific biosystem;
Organic cation/anion/zwitterion transport, organism-specific biosystem;

Function

ion transmembrane transporter activity; organic cation transmembrane transporter
activity; organic cation transmembrane transporter activity; transmembrane
transporter activity;

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