

Recombinant Human SLC24A5 293 Cell Lysate

Cat. No. SLC24A5-1788HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 24, member 5 (SLC24A5) 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

SLC24A5 solute carrier family 24, member 5 [Homo sapiens]

Official Symbol

SLC24A5

Synonyms

SLC24A5; solute carrier family 24, member 5; sodium/potassium/calcium exchanger 5; JSX; ion transporter JSX; Na(+)/K(+)/Ca(2+)-exchange protein 5; solute carrier family 24 (sodium/potassium/calcium exchanger), member 5; NCKX5; SHEP4;

Gene ID

283652

mRNA Refseq

NM_205850

Protein Refseq

NP_995322

MIM

609802

UniProt ID

Q71RS6

**Chromosome
Location**

15q21.1

Pathway

SLC-mediated transmembrane transport, organism-specific biosystem;
Sodium/Calcium exchangers, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of inorganic cations/anions and amino acids/oligopeptides, organism-specific biosystem;

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Function	antiporter activity; symporter activity;
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