

Recombinant Human SLC9A1 293 Cell Lysate

Cat. No. SLC9A1-1695HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 9 (sodium/hydrogen exchanger), member 1 (SLC9A1) 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

SLC9A1 solute carrier family 9, subfamily A (NHE1, cation proton antiporter 1), member 1 [Homo sapiens]

Official Symbol

SLC9A1

Synonyms

SLC9A1; solute carrier family 9, subfamily A (NHE1, cation proton antiporter 1), member 1; APNH, NHE1, solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na⁺/H⁺, amiloride sensitive) , solute carrier family 9 (sodium/hydrogen exchanger), member 1; sodium/hydrogen exchanger 1; Na⁽⁺⁾/H⁽⁺⁾ exchanger 1; Na-Li countertransporter; solute carrier family 9 (sodium/hydrogen exchanger), member 1 (antiporter, Na⁺/H⁺, amiloride sensitive); solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na⁺/H⁺, amiloride sensitive); APNH; NHE1; NHE-1; FLJ39602; FLJ42224;

Gene ID

6548

mRNA Refseq

NM_003047

Protein Refseq

NP_003038

MIM

107310

UniProt ID

P19634

Chromosome

1p36.1-p35

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Location	
Pathway	Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Endothelins, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; G Protein Signaling Pathways, organism-specific biosystem;
Function	antiporter activity; calmodulin binding; protein binding; sodium:hydrogen antiporter activity; solute:hydrogen antiporter activity; solute:hydrogen antiporter activity; transcription factor binding;

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