

Recombinant Human SLC9A3R1 293 Cell Lysate

Cat. No. SLC9A3R1-1694HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 (SLC9A3R1) 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

SLC9A3R1 solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1 [Homo sapiens]

Official Symbol

SLC9A3R1

Synonyms

SLC9A3R1; solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1; solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1 , solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1 , solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1; Na(+)/H(+) exchange regulatory cofactor NHE-RF1; EBP50; NHERF; Na+/H+ exchange regulatory co-factor; regulatory cofactor of Na(+)/H(+) exchanger; ezrin-radixin-moesin binding phosphoprotein-50; ezrin-radixin-moesin-binding phosphoprotein 50; solute carrier family 9 isoform A3 regulatory factor 1; solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1; NHERF1; NHERF-1; NPHLOP2;

Gene ID

9368

mRNA Refseq

NM_004252

Protein Refseq

NP_004243

MIM

604990

UniProt ID

O14745

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Chromosome Location	17q25.1
Pathway	PDGFR-beta signaling pathway, organism-specific biosystem; Thromboxane A2 receptor signaling, organism-specific biosystem;
Function	PDZ domain binding; beta-2 adrenergic receptor binding; beta-catenin binding; chloride channel regulator activity; dopamine receptor binding; growth factor receptor binding; phosphatase binding; protein binding; protein self-association; receptor binding;