Recombinant Human SLC9A8 293 Cell Lysate

Cat. No. SLC9A8-1692HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 9 (sodium/hydrogen exchanger), member 8 (SLC9A8) 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	SLC9A8 solute carrier family 9, subfamily A (NHE8, cation proton antiporter 8), member 8 [Homo sapiens]
Official Symbol	SLC9A8
Synonyms	SLC9A8; solute carrier family 9, subfamily A (NHE8, cation proton antiporter 8), member 8; solute carrier family 9 (sodium/hydrogen exchanger), isoform 8 , solute carrier family 9 (sodium/hydrogen exchanger), member 8; sodium/hydrogen exchanger 8; KIAA0939; NHE8; NHE-8; Na(+)/H(+) exchanger 8; solute carrier family 9 member 8; solute carrier family 9 (sodium/hydrogen exchanger), member 8; solute carrier family 9 (sodium/hydrogen exchanger), isoform 8; FLJ42500; MGC138418; DKFZp686C03237;
Gene ID	23315
mRNA Refseq	NM_015266
Protein Refseq	NP_056081
MIM	612730
UniProt ID	Q9Y2E8
Chromosome Location	20q13.13

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Pathway	SLC-mediated transmembrane transport, organism-specific biosystem; Sodium/Proton exchangers, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of inorganic cations/anions and amino acids/oligopeptides, organism-specific biosystem;
Function	antiporter activity; potassium:hydrogen antiporter activity; sodium:hydrogen antiporter activity; solute:hydrogen antiporter activity;

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