Recombinant Human SLC39A2 293 Cell Lysate

Cat. No. SLC39A2-1721HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 39 (zinc transporter), member 2 (SLC39A2) 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	SLC39A2 solute carrier family 39 (zinc transporter), member 2 [Homo sapiens]
Official Symbol	SLC39A2
Synonyms	SLC39A2; solute carrier family 39 (zinc transporter), member 2; zinc transporter ZIP2; ZIP2; zinc uptake transporter 2; Zrt- and Irt-like protein 2; solute carrier family 39 member 2; 6A1; ETI-1; ZIP-2; MGC119190;
Gene ID	29986
mRNA Refseq	NM_001256588
Protein Refseq	NP_001243517
MIM	612166
UniProt ID	Q9NP94
Chromosome Location	14q11.1
Pathway	Metal ion SLC transporters, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Senescence and Autophagy, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of glucose and other sugars, bile salts and

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	organic acids, metal ions and amine compounds, organism-specific biosystem; Zinc influx into cells by the SLC39 gene family, organism-specific biosystem; Zinc transporters, organism-specific biosystem;
Function	metal ion transmembrane transporter activity; zinc ion transmembrane transporter activity;

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