

## Recombinant Human SLC39A5 293 Cell Lysate

**Cat. No.** SLC39A5-1718HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for solute carrier family 39 (metal ion transporter), member 5 (SLC39A5), transcript variant 1 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** [SLC39A5 solute carrier family 39 \(metal ion transporter\), member 5 \[ Homo sapiens \]](#)

**Official Symbol** [SLC39A5](#)

**Synonyms** [SLC39A5](#); solute carrier family 39 (metal ion transporter), member 5; zinc transporter ZIP5; ZIP-5; zrt- and Irt-like protein 5; solute carrier family 39 member 5; ZIP5; LZT-Hs7; MGC34778;

**Gene ID** [283375](#)

**mRNA Refseq** [NM\\_001135195](#)

**Protein Refseq** [NP\\_001128667](#)

**MIM** [608730](#)

**UniProt ID** [Q6ZMH5](#)

**Chromosome Location** 12q13.3

**Pathway** Metal ion SLC transporters, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of glucose and other sugars, bile salts and 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;

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**Function**

metal ion transmembrane transporter activity;

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