Recombinant Human SLC6A20 293 Cell Lysate

Cat. No. SLC6A20-1705HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 6 (proline IMINO transporter), member 20 (SLC6A20), 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.
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	SLC6A20 solute carrier family 6 (proline IMINO transporter), member 20 [Homo sapiens]
Official Symbol	SLC6A20
Synonyms	SLC6A20; solute carrier family 6 (proline IMINO transporter), member 20; sodium- and chloride-dependent transporter XTRP3; XT3; Xtrp3; orphan transporter XT3; X transporter protein 3; transporter rB21A homolog; sodium/imino-acid transporter 1; neurotransmitter transporter RB21A; solute carrier family 6 (neurotransmitter transporter), member 20; SIT1; MGC161475;
Gene ID	54716
mRNA Refseq	NM_020208
Protein Refseq	NP_064593
MIM	605616
UniProt ID	Q9NP91
Chromosome Location	3p21.6
Pathway	Amino acid transport across the plasma membrane, organism-specific biosystem;

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	Na+/Cl- dependent neurotransmitter 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; Transport of inorganic cations/anions and amino acids/oligopeptides, organism-specific biosystem;
Function	amino acid transmembrane transporter activity; neurotransmitter:sodium symporter activity; symporter activity;

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