

Recombinant Human SLC20A1 293 Cell Lysate

Cat. No. SLC20A1-1797HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 20 (phosphate transporter), member 1 (SLC20A1) 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

SLC20A1 solute carrier family 20 (phosphate transporter), member 1 [Homo sapiens]

Official Symbol

SLC20A1

Synonyms

SLC20A1; solute carrier family 20 (phosphate transporter), member 1; GLVR1; sodium-dependent phosphate transporter 1; gibbon ape leukemia virus receptor 1; Glvr 1; PiT 1; leukemia virus receptor 1 homolog; solute carrier family 20 member 1; PIT1; PiT-1; Glvr-1; FLJ41426; DKFZp686J2397;

Gene ID

6574

mRNA Refseq

NM_005415

Protein Refseq

NP_005406

MIM

137570

UniProt ID

Q8WUM9

Chromosome Location

2q13

Pathway

SLC-mediated transmembrane transport, organism-specific biosystem; Sodium-coupled phosphate cotransporters, organism-specific biosystem; Transmembrane

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transport of small molecules, organism-specific biosystem; Transport of inorganic cations/anions and amino acids/oligopeptides, organism-specific biosystem;

Function

high affinity inorganic phosphate:sodium symporter activity; inorganic phosphate transmembrane transporter activity; receptor activity; signal transducer activity; sodium:phosphate symporter activity; symporter activity;

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