Recombinant Human SLC37A4 293 Cell Lysate

Cat. No. SLC37A4-1726HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 37 (glucose-6-phosphate transporter), member 4 (SLC37A4), transcript variant 4 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.
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

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

GENE INFORMATION

Gene Name	SLC37A4 solute carrier family 37 (glucose-6-phosphate transporter), member 4 [Homo sapiens]
Official Symbol	SLC37A4
Synonyms	SLC37A4; solute carrier family 37 (glucose-6-phosphate transporter), member 4; G6PT1, G6PT2, G6PT3, glucose 6 phosphatase, transport (glucose 6 phosphate) protein 1; glucose-6-phosphate translocase; GSD1b; GSD1c; GSD1d; glucose-5-phosphate transporter; solute carrier family 37 member 4; transformation-related gene 19 protein; microsomal glucose-6-phosphate transporter; glucose-6-phosphatase, transport (glucose) protein 3; glucose-6-phosphatase, transport (glucose-6-phosphate) protein 1; glucose-6-phosphatase, transport (phosphate/pyrophosphate) protein 2; G6PT1; G6PT2; G6PT3; TRG19; TRG-19; PRO0685; MGC15729;
Gene ID	2542
mRNA Refseq	NM_001164277
Protein Refseq	NP_001157749
MIM	602671
UniProt ID	O43826
Chromosome Location	11q23.3

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Pathway	Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate digestion and absorption, conserved biosystem; Glucose transport, organism-specific biosystem; Hexose transport, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem;
Function	glucose-6-phosphate transmembrane transporter activity; glucose-6-phosphate transmembrane transporter activity; transporter activity;

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