Recombinant Human SLC37A4 293 Cell Lysate

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

SPECIFICATION

Product Overview	
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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	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

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Chromosome Location	11q23.3
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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