

Recombinant Human PMM1 293 Cell Lysate

Cat. No. PMM1-3088HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for phosphomannomutase 1 (PMM1) 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	PMM1 phosphomannomutase 1 [Homo sapiens]
Official Symbol	PMM1
Synonyms	PMM1; phosphomannomutase 1; brain glucose 1; 6 bisphosphatase; Sec53; PMM 1; PMMH-22; brain glucose-1,6-bisphosphatase;
Gene ID	5372
mRNA Refseq	NM_002676
Protein Refseq	NP_002667
MIM	601786
UniProt ID	Q92871
Chromosome Location	22q13
Pathway	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Asparagine N-linked glycosylation, organism-specific biosystem; Biosynthesis of the N-glycan precursor (dolichol lipid-linked oligosaccharide, LLO) and transfer to a nascent protein, organism-specific biosystem; Fructose and mannose metabolism, organism-specific

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biosystem; Fructose and mannose metabolism, conserved biosystem; GDP-mannose biosynthesis, organism-specific biosystem;

Function

isomerase activity; metal ion binding; phosphomannomutase activity;

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