

Recombinant Human FPGT 293 Cell Lysate

Cat. No. FPGT-6139HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for fucose-1-phosphate guanylyltransferase (FPGT) 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 [FPGT fucose-1-phosphate guanylyltransferase \[Homo sapiens \]](#)

Official Symbol FPGT

Synonyms FPGT; fucose-1-phosphate guanylyltransferase; GFPP; GDP-L-fucose diphosphorylase; GDP-beta-L-fucose pyrophosphorylase; fucose-1-phosphate guanylyltransferase;

Gene ID [8790](#)

mRNA Refseq [NM_001199328](#)

Protein Refseq [NP_001186257](#)

MIM [603609](#)

UniProt ID [O14772](#)

Chromosome Location 1p31.1

Pathway Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; GDP-L-fucose biosynthesis II (from L-fucose),

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organism-specific biosystem; Metabolic pathways, organism-specific biosystem;

Function

GTP binding; catalytic activity; fucose-1-phosphate guanylyltransferase activity;
nucleotide binding; nucleotidyltransferase activity;

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