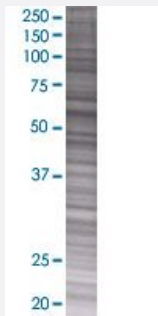


FPGT 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00008790-T01

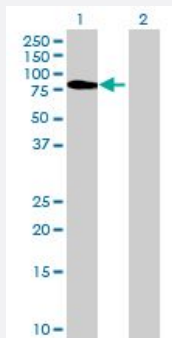
Size 100 uL

Applications



SDS-PAGE Gel

FPGT transfected lysate.



Western Blot

Lane 1: FPGT transfected lysate (65.45 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-FPGT full-length
Host	Human
Theoretical MW (kDa)	65.45
Interspecies Antigen Sequence	Mouse (75); Rat (72)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-FPGT antibody ([H00008790-B01](#)) by Western Blots.
 SDS-PAGE Gel
 FPGT transfected lysate.
 Western Blot
 Lane 1: FPGT transfected lysate (65.45 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — FPGT

Entrez GeneID

[8790](#)

GeneBank Accession#

[NM_003838.2](#)

Protein Accession#

[NP_003829.2](#)

Gene Name

FPGT

Gene Alias

GFPP

Gene Description

fucose-1-phosphate guanylyltransferase

Omim ID

[603609](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

L-fucose is a key sugar in glycoproteins and other complex carbohydrates since it may be involved in many of the functional roles of these macromolecules, such as in cell-cell recognition. The fucosyl donor for these fucosylated oligosaccharides is GDP-beta-L-fucose. There are two alternate pathways for the biosynthesis of GDP-fucose; the major pathway converts GDP-alpha-D-mannose to GDP-beta-L-fucose. The protein encoded by this gene participates in an alternate pathway that is present in certain mammalian tissues, such as liver and kidney, and appears to function as a salvage pathway to reutilize L-fucose arising from the turnover of glycoproteins and glycolipids. This pathway involves the phosphorylation of L-fucose to form beta-L-fucose-1-phosphate, and then condensation of the beta-L-fucose-1-phosphate with GTP by fucose-1-phosphate guanylyltransferase to form GDP-beta-L-fucose. [provided by RefSeq]

Other Designations

GDP-beta-L-fucose pyrophosphorylase|OTTHUMP00000011173|fucose-1-phosphate guanylttransferase

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Fructose and mannose metabolism](#)
- [Metabolic pathways](#)