

Recombinant Human FPGT Protein (1-594 aa), His-tagged

Cat. No. FPGT-1396H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FPGT Protein (1-594 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	1-594 aa
Description	Catalyzes the formation of GDP-L-fucose from GTP and L-fucose-1-phosphate. Functions as a salvage pathway to reutilize L-fucose arising from the turnover of glycoproteins and glycolipids.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	68.6 kDa
AA Sequence	MAAARDPPEVSLREATQQRKLRRFSELRGKLVARGEFWDIVAITAADEKQELAYNQQ LSEKLRKELPLGVQYHVFVDPAGAKIGNGGSTLCALQCLEKLYGDKWNSFTILLIHS GGYSQRLPNASALGKIFTALPLGNPIYQMLELKLAMYIDFPLNMNPGILVTCADDIELY SIGEFEFIRFDKPGFTALAHPSSTIGTTHGVFVLDPFDDLKHRDLEYRSCHRFLHKP SIEKMYQFNAVCRPGNFCQQDFAGGDIADLKLDSDYVYTDSLIFYMDHKSAMLLAF YEKIGTLSCEIDAYGDFLQALGPGATVEYTRNTSNVIKEESELVEMRQRIFHLLKGTS LNVVVLNNSKFYHIGTTEEYLFYFTSDNSLSELGLQSITFSIFPDIPECSGKTSCIIQSI

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LDSRCSVAPGSVVEYSRLGPDVSVGENCIISGSYILTKAALPAHSFVCSLSLKMNRCL
KYATMAFGVQDNLKKS VKTLSDIKLLQFFGVCFLSCLDVWNLKVTEELFSGNKTCLS
LWTARIFPVCSSLSDSVITSLKMLNAVKNKSAFSLNSYKLLSIEEMLIYKDVEDMITYR
EQIFLEISLKSSLM

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [FPGT fucose-1-phosphate guanylyltransferase \[Homo sapiens \]](#)

Official Symbol [FPGT](#)

Synonyms FPGT; GFPP; GDP-L-fucose diphosphorylase;

Gene ID [8790](#)

mRNA Refseq [NM_001199328](#)

Protein Refseq [NP_001186257](#)

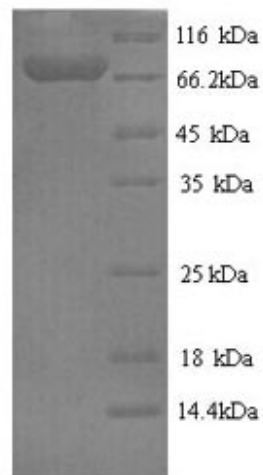
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MIM 603609

UniProt ID O14772



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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