

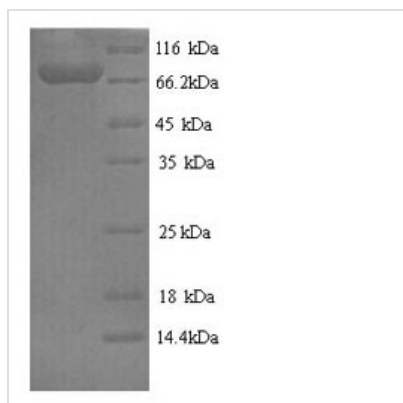


Recombinant Human Fucose-1-phosphate guanylyltransferase (FPGT)

Product Code	CSB-YP008852HU
Relevance	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.
Abbreviation	Recombinant Human FPGT protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O14772
Alias	GDP-L-fucose diphosphorylaseGDP-L-fucose pyrophosphorylase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MAAARDPPEVSLREATQRKLRRFSELRGKLVARGEFWDIVAITAADEKQELAY NQQLSEKLKRKELPLGVQYHVFDVPAGAKIGNGGSTLCALQCLEKLYGDKWN SFTILLIHSGGYSQRLPNASALGKIFTALPLGNPIYQMLELKLAMYIDFPLNMNP GILVTCADDIELYSIGEFEFIRFDKPGFTALAHPSSTIGTTHGVFVLDPFDDLKH RDLEYRSCHRFLHKPSIEKMYQFNAVCRPGNFCQQDFAGGDIADLKLDSDYV YTDSLIFYMDHKSAMLLAFYEKIGTSLCEIDAYGDFLQALGPGATVEYTRNTSN VIKEESELVEMRQRIFHLLKGTSLNVVLNNSKFYHIGTTEEYLFYFTSDNSLKS ELGLQSITFSIFPDIPECSGKTSCIIQSILDSRCSVAPGSVVEYSRLGPDVSVGE NCIISGSYILTKAALPAHSFVCSLSLKMNRCLKYATMAFGVQDNLKKS VKTLSDI KLLQFFGVCFLSCLDVWNLKVTEELFSGNKTCLSLWTARIFPVCSLSDSVITS LKMLNAVKNKSAFSLNSYKLLSIEEMLIYKDVEDMITYREQIFLEISLKSSLM
Research Area	Metabolism
Source	Yeast
Target Names	FPGT
Protein Names	Recommended name: Fucose-1-phosphate guanylyltransferase EC= 2.7.7.30 Alternative name(s): GDP-L-fucose diphosphorylase GDP-L-fucose pyrophosphorylase
Expression Region	1-594aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	68.6kDa


Protein Length

Full Length

Image


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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.