Recombinant Full Length Human GFPT2 Protein, C-Flag-tagged

Cat. No. GFPT2-1604HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GFPT2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Predicted to enable glutamine-fructose-6-phosphate transaminase (isomerizing) activity. Predicted to be involved in UDP-N-acetylglucosamine metabolic process; fructose 6-phosphate metabolic process; and protein N-linked glycosylation. Predicted to act upstream of or within cellular response to leukemia inhibitory factor. Predicted to be located in cytosol. Implicated in type 2 diabetes mellitus.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	76.8 kDa
AA Sequence	MCGIFAYMNYRVPRTRKEIFETLIKGLQRLEYRGYDSAGVAIDGNNHEVKERHIQLVK KRGKVKALDEEL YKQDSMDLKVEFETHFGIAHTRWATHGVPSAVNSHPQRSDKGN EFVVIHNGIITNYKDLRKFLESKGYEF ESETDTETIAKLIKYVFDNRETEDITFSTLVER VIQQLEGAFALVFKSVHYPGEAVATRRGSPLLIGVRS KYKLSTEQIPILYRTCTLENV KNICKTRMKRLDSSACLHAVGDKAVEFFFASDASAIIEHTNRVIFLEDD DIAAVADGK LSIHRVKRSASDDPSRAIQTLQMELQQIMKGNFSAFMQKEIFEQPESVFNTMRGRVN FETN TVLLGGLKDHLKEIRRCRRLIVIGCGTSYHAAVATRQVLEELTELPVMVELASD

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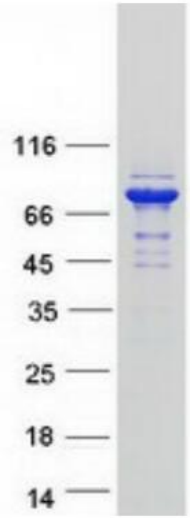
	FLDRNTPVFRDDVCFF ISQSGETADTLLALRYCKDRGALTVGVTNTVGSSISRETDC GVHINAGPEVGVASTKAYTSQFISLVMFG LMMSEDRISLQNRRQEIIRGLRSLPELIK EVLSLEEKIHDLALELYTQRSLLVMGRGYNYATCLEGALKI KEITYMHSEGILAGELK HGPLALIDKQMPVIMVIMKDPCFAKCQNALQQVTARQGRPIILCSKDDTESSK FAYKTIELPHTVDCLQGILSVIPLQLLSFHLAVLRGYDVDFPRNLAKSVTVETRTRPLE QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Protease
Protein Pathways	Alanine, aspartate and glutamate metabolism, Amino sugar and nucleotide sugar metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	GFPT2 glutamine-fructose-6-phosphate transaminase 2 [Homo sapiens (human)]
Official Symbol	GFPT2

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Synonyms	GFAT; GFAT2; GFAT 2
Gene ID	9945
mRNA Refseq	NM_005110.4
Protein Refseq	NP_005101.1
MIM	603865
UniProt ID	O94808



Coomassie blue staining of purified GFPT2 protein.

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