

# Recombinant Full Length Human GFPT2 Protein, GST-tagged

**Cat. No.** GFPT2-5438HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GFPT2 full-length ORF ( AAH00012.1, 1 a.a. - 682 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	682 amino acids
<b>Description</b>	GFPT2 (Glutamine-Fructose-6-Phosphate Transaminase 2) is a Protein Coding gene. Diseases associated with GFPT2 include Pancreatic Steatorrhea and Lipodystrophy, Familial Partial, 2. Among its related pathways are Synthesis of substrates in N-glycan biosynthesis and Transport to the Golgi and subsequent modification. GO annotations related to this gene include carbohydrate binding and glutamine-fructose-6-phosphate transaminase (isomerizing) activity. An important paralog of this gene is GFPT1.
<b>Molecular Mass</b>	100.65 kDa
<b>AA Sequence</b>	MCGIFAYMNYRVPTRTRKEIFETLIKGLQRLEYRGYDSAGVAIDGNNHEVKERHIQLVK KRGKVKALDEELYKQDSMDLKVEFETHFGIAHTRWATHGVPSAVNSHPQRSKGN EFVVIHNGIITNYKDLRKFLKESKGYEFSEDTETIAKLIKVYFDNRETDITFSTLVER VIQQLEGAFALVFKSVHYPGAEAVATRRGSPLLIGVRSKYKLSTEQIPILYRTCTLENVK NICKTRMKRLDSSACLHAVGDKAVEFFFASDASAIIEHTNRVIFLEDDDDIAAVADGKLS IHRVKRSASDDPSRAIQTLMELQQIMKGNFSAFMQKEIFEQPESVFNTMRGRVNFE TNTVLLGGLKDHLKEIRRCRRLVIGCGTSYHAAVATRQVLEELTELPVMVELASDFL

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DRNTPVFRDDVCFISQSGETADTLLALRYCKDRGALTVGVTNTVGSSISRETDCGV  
 HINAGPEVGVASTKAYTSQFISLVMFGLMMSEDRLQNRREQIIRGLRSLPELIKEVL  
 SLEEKIHDLALELYTQRSELLVMGRGYNYATCLEGALKIKEITYMHSEGILAGELKHGPL  
 ALIDKQMPVIMVIMKDPCKFAKCNALQQVTARQGRPIILCSKDDTESSKFAYKTIELP  
 HTVDCLQGILSVIPLQLLSFHLAVLRGYDVDFPRNLAKSVTVE

**Applications**  
 Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**  
 Best use within three months from the date of receipt of this protein.

**Storage**  
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**  
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**  
 GFPT2 glutamine-fructose-6-phosphate transaminase 2 [ Homo sapiens ]

**Official Symbol**  
 GFPT2

**Synonyms**  
 GFPT2; glutamine-fructose-6-phosphate transaminase 2; glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 2; GFAT2; glutamine: fructose 6 phosphate aminotransferase 2; GFAT 2; hexosephosphate aminotransferase 2; D-fructose-6-phosphate amidotransferase 2; glutamine:fructose 6 phosphate amidotransferase 2; glutamine: fructose-6-phosphate aminotransferase 2; FLJ10380;

**Gene ID**  
 9945

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mRNA Refseq	NM_005110
Protein Refseq	NP_005101
MIM	603865
UniProt ID	O94808

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