

# Recombinant Full Length Human GFPT2 Protein, GST-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <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>ProteinLength</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>      | MCGIFAYMNYRVPRTTRKEIFETLIKGLQRLEYRGYDSAGVAIDGNNHEVKERHIQLVK<br>KRGKVKALDEELYKQDSMDLKVEFETHFGIAHTRWATHGVPSAVNSHPQRSKGN<br>EFVVIHNGIITNYKDLRKFLSKGYEFESETDTETIAKLIKVFNDRETDITFSTLVER<br>VIQQLEGAFALVFKSVHYPGAEVATRRGSPLLIGVRSKYKLSTEQIPILYRTCTLENVK<br>NICKTRMKRLDSSACLHAVGDKAVEFFFFASDASAIIEHTNRVIFLEDDDDIAAVADGKLS<br>IHRVKRSASDDPSRAIQTLQMEQLQIMKGNFSAFMQKEIFEQPESVFNTMRGRVNFE<br>TNTVLLGGLKDHLKEIRRCRRLVIGCGTSYHAAVATRQVLEELTELPVMVELASDFL                                                                       |

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DRNTPVFRDDVCFFISQSGETADTLLALRYCKDRGALTVGVTNTVGSSISRETDCGV  
HINAGPEVGVASTKAYTSQFISLVMFGLMMSEDRLQNRQEIIRGLRSLPELIKEVL  
SLEEKIHDLALELYTQRSLVMGRGYNYATCLEGALKIKEITYMHSEGILAGELKHGPL  
ALIDKQMPVIMVIMKDPCKFAKCQNALQQVTARQGRPIILCSKDDTESSKFAYKTIELP  
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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