

Recombinant Full Length Human GFPT2 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human GFPT2 full-length ORF (AAH00012.1, 1 a.a. - 682 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	682 amino acids
Description	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.
Molecular Mass	100.65 kDa
AA Sequence	MCGIFAYMNYRVPRTTRKEIFETLIKGLQRLEYRGYDSAGVAIDGNNHEVKERHIQLVK KRGKVKALDEELYKQDSMDLKVEFETHFGIAHTRWATHGVPSAVNSHPQRSKGN EFVVIHNGIITNYKDLRKFLSKGYEFESSETDTETIAKLIKVFDFNRETDITFSTLVER VIQQLEGAFALVFKSVHYPGAEVATRRGSPLLIGVRSKYKLSTEQIPILYRTCTLENVK NICKTRMKRLDSSACLHAVGDKAVEFFFFASDASAIIEHTNRVIFLEDDDDIAAVADGKLS IHRVKRSASDDPSRAIQTLQMEQLQIMKGNFSAFMQKEIFEQPESVFNTMRGRNVFE TNTVLLGGLKDHLEIRRCRRLVIGCGTSYHAAVATRQVLEELTELPVMVELASDFL

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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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