

Recombinant Human GFPT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GFPT2-5032H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GFPT2 MS Standard C13 and N15-labeled recombinant protein (NP_005101) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Controls the flux of glucose into the hexosamine pathway. Most likely involved in regulating the availability of precursors for N- and O-linked glycosylation of proteins.
Molecular Mass	76.9 kDa
AA Sequence	MCGIFAYMNYRVPRTTRKEIFETLIKGLQRLEYRGYDSAGVAIDGNNHEVKERHIQLVK KRGKVKALDEELYKQDSMDLKVEFETHFGIAHTRWATHGVPSAVNSHPQRSKGN EFVVIHNGIITNYKDLRKFLSKGYEFESSETDTETIAKLIKVFNDRETDITFSTLVER VIQQLGAFALVFKSVHYPGAEAVATRRGSPLLIGVRSKYKLSTEQIPILYRTCTLENVK NICKTRMKRLDSSACLHAVGDKAVEFFASFASAIIEHTNRVIFLEDDDDIAAVADGKLS IHRVKRSASDDPSRAIQTLMELQQIMKGNFSAFMQKEIFEQPESVFNTMRGRVNFE TNTVLLGGLKDHLKEIRRCRRLIVIGCGTSYHAAVATRQVLEELTELPVMVELASDFL DRNTPVFRDDVCFFISQSGETADTLLALRYCKDRGALTGVGTNTVGSSISRETDCGV HINAGPEVGVASTKAYTSQFISLVMFGLMMSEDRLQNRRQEIIIRGLRSLPELIKEVL SLEEKIHDLALEYLTQRSLVMGRGYNYATCLEGALKIKEITYMHSEGILAGELKHGPL ALIDKQMPVIMVIMKDPCKFAKCQNALQQVTARQGRPIILCSKDDTESSKFAYKTIELP

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	HTVDCLQGILSVIPLQLLSFHLAVLRGYDVDFPRNLAKSVTVETRTRPLEQKLISEEDL AANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GFPT2 glutamine-fructose-6-phosphate transaminase 2 [Homo sapiens (human)]
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
mRNA Refseq	NM_005110
Protein Refseq	NP_005101

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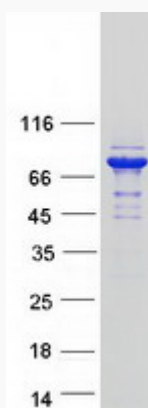
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MIM 603865

UniProt ID O94808

SDS-PAGE



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