

Product datasheet for **TP300519M**

GFPT2 (NM_005110) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human glutamine-fructose-6-phosphate transaminase 2 (GFPT2), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200519 protein sequence Red =Cloning site Green =Tags(s) |

MCGIFAYMNYRVPRTTRKEIFETLIKGLQRLEYRGYDSAGVAIDGNNHEVKERHIQLVKKRGKVKALDEEL
YKQDSMDLKVEFETHFGIAHTRWATHGVPSAVNSHPQRSKGNFVVIHNGIITNYKDLRKFLSKGYEF
ESETDTETIAKLIKVFVDNRETEDITFSTLVERVIQQLLEGAFALVFKSVHYPGEAVATRRGSPLLIGVRS
KYKLSTEQIPILYRTCTLENVKNICKTRMKRLDSSACLHAVGDKAVEFFASDASAIIEHTNRVIFLEDD
DIAAVADGKLSIHRVKRSASDDPSRAIQTLMELQQIMKGNFSAFMQKEIFEQPEVSFNTMRGRVNFETN
TVLLGGLKDHLKEIRRCRLVIGCGTSYHAAVATRQVLEELTELPVMVELASDFLDRNTPVFRDDVCF
ISQSGETADTLLALRYCKDRGALTGVGTNTVGVSSISRETDCGVHINAGPEVGVASTKAYTSQFISLVMFG
LMMSEDRLSLQNRQEIIRGLRSLPELIKEVLSLEEKIHDLALEYTQRSLVMGRGNYATCLEGALKI
KEITYMHSEGILAGELKHGPLALIDKQMPVIMVIMKDPCKFAKQNALQQVTARQGRPIILCSKDDTSSK
FAYKTIELPHTVDCLQGILSVIPLQLLSFHLAVLRGYDVFPRNLAKSVTVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

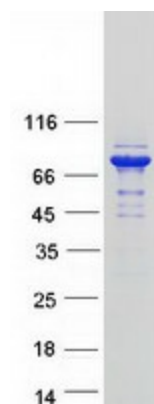
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 76.8 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |



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|--------------------------|---|
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_005101 |
| Locus ID: | 9945 |
| UniProt ID: | O94808 , A0A0S2Z4X9 , B3KMR8 |
| RefSeq Size: | 3011 |
| Cytogenetics: | 5q35.3 |
| RefSeq ORF: | 2046 |
| Synonyms: | GFAT; GFAT 2; GFAT2 |
| Summary: | 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.[UniProtKB/Swiss-Prot Function] |
| Protein Families: | Protease |
| Protein Pathways: | Alanine, aspartate and glutamate metabolism, Amino sugar and nucleotide sugar metabolism, Metabolic pathways |

Product images:



Coomassie blue staining of purified GFPT2 protein (Cat# [TP300519]). The protein was produced from HEK293T cells transfected with GFPT2 cDNA clone (Cat# [RC200519]) using MegaTran 2.0 (Cat# [TT210002]).