

# Recombinant Human GFPT1 Protein, GST-tagged

**Cat. No.** GFPT1-4858H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GFPT1 full-length ORF (AAH45641.1, 1 a.a. - 681 a.a.) recombinant protein with GST tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This gene encodes the first and rate-limiting enzyme of the hexosamine pathway and controls the flux of glucose into the hexosamine pathway. The product of this gene catalyzes the formation of glucosamine 6-phosphate. [provided by RefSeq]                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 103.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | <p> MCGIFAYLNYHVPRTREILETLIKGLQRLEYRGYDSAGVGFDGGNDKDWEANACKI<br/> QLIKKKGKVKALDEEVHKQQDMDLDIEFDVHLGIAHTRWATHGEPSPVNSHPQRS<br/> KNEFIVIHNGIITNYKDLKKFLESKGYDFESETDTETIAKLVKMYMDNRESQDTSFTT<br/> LVERVIQQLEGAFALVFKSVHFPGQAVGTRRGSPLLIGVRSEHKLSTDHIPILYRTGK<br/> DKKGSCNLSRVDSTTCLFPVEEKAVEYYFASDASAVIEHTNRVIFLEDDDDVAAVVDG<br/> RLSIHRIKRTAGDHPGRAVQTLQMELOQIMKGNFSSFMQKEIFEQPVSVNTMRGR<br/> VNFDDYTVNLGGLKDHIKEIQRCLRLIACGTSYHAGVATRQVLEELTELPVMVELA<br/> SDFLDNRNTPVFRDDVCFFLSQSGETADTLMLGRYCKERGALTVGITNTVGSSISRET<br/> DCGVHINAGPEIGVASTKAYTSQFVSLVMFALMMCDRISMQERRKEIMLGLKRLPD<br/> LIKEVLSMDDEIQKLATELYHQKSVLIMGRGYHYATCLEGALKIKEITYMHSEGILAGE<br/> LKHGPLALVDKLMPIVIMIIMRDHTYAKCQNALQQVVARQGRPVICDKEDTETIKNTK </p> |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | RTIKVPHSVDCLQGILSVIPLQLLAFHLAVLRGYDVDFPRNLAKSVTVE                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                         |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>        | GFPT1 glutamine--fructose-6-phosphate transaminase 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>  | GFPT1                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | GFPT1; glutamine--fructose-6-phosphate transaminase 1; GFPT, glutamine fructose 6 phosphate transaminase 1; glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1; GFA; GFAT; GFAT1; hexosephosphate aminotransferase 1; D-fructose-6-phosphate amidotransferase 1; glutamine:fructose 6 phosphate amidotransferase 1; GFPT; GFAT 1; GFAT1m; |
| <b>Gene ID</b>          | 2673                                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>      | NM_001244710                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_001231639                                                                                                                                                                                                                                                                                                                                              |

 Tel: 1-631-559-9269 1-516-512-3133

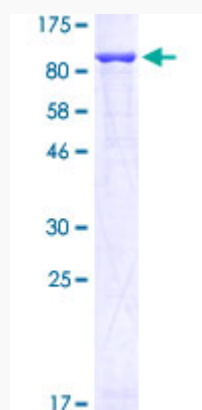
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 138292

UniProt ID Q06210

Quality Control  
Testing



12.5% SDS-PAGE Stained with Coomassie Blue

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA