Recombinant Human GFPT1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human GFPT1 full-length ORF (AAH45641.1, 1 a.a. - 681 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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
Molecular Mass	103.2 kDa
AA Sequence	MCGIFAYLNYHVPRTRREILETLIKGLQRLEYRGYDSAGVGFDGGNDKDWEANACKI QLIKKKGKVKALDEEVHKQQDMDLDIEFDVHLGIAHTRWATHGEPSPVNSHPQRSD KNNEFIVIHNGIITNYKDLKKFLESKGYDFESETDTETIAKLVKYMYDNRESQDTSFTT LVERVIQQLEGAFALVFKSVHFPGQAVGTRRGSPLLIGVRSEHKLSTDHIPILYRTGK DKKGSCNLSRVDSTTCLFPVEEKAVEYYFASDASAVIEHTNRVIFLEDDDVAAVVDG RLSIHRIKRTAGDHPGRAVQTLQMELQQIMKGNFSSFMQKEIFEQPESVVNTMRGR VNFDDYTVNLGGLKDHIKEIQRCRRLILIACGTSYHAGVATRQVLEELTELPVMVELA SDFLDRNTPVFRDDVCFFLSQSGETADTLMGLRYCKERGALTVGITNTVGSSISRET DCGVHINAGPEIGVASTKAYTSQFVSLVMFALMMCDDRISMQERRKEIMLGLKRLPD LIKEVLSMDDEIQKLATELYHQKSVLIMGRGYHYATCLEGALKIKEITYMHSEGILAGE LKHGPLALVDKLMPVIMIIMRDHTYAKCQNALQQVVARQGRPVVICDKEDTETIKNTK

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	RTIKVPHSVDCLQGILSVIPLQLLAFHLAVLRGYDVDFPRNLAKSVTVE
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	GFPT1 glutamine--fructose-6-phosphate transaminase 1 [Homo sapiens]
Official Symbol	GFPT1
Synonyms	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;
Gene ID	2673
mRNA Refseq	NM_001244710
Protein Refseq	NP_001231639

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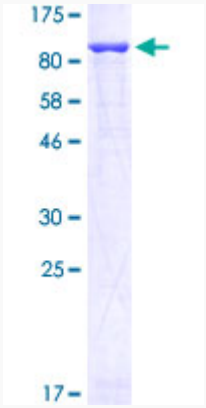
MIM	138292
UniProt ID	Q06210
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue

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