# Recombinant Human GFPT1, His-tagged

**Cat. No.** GFPT1-13233H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human GFPT1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 1-350a.a. |
| **Description** | This gene encodes a member of the NipSnap family of proteins that may be involved in vesicular transport. The encoded protein is localized to mitochondria and plays a role in oxidative phosphorylation. A pseudogene of this gene is located on the long arm of chromosome 2. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. |
| **Storage** | The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles. |
| **Storage Buffer** | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol. |

## GENE INFORMATION

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| **Gene Name** | GFPT1 glutamine--fructose-6-phosphate transaminase 1 [ Homo sapiens ] |

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| **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 |
| **MIM** | 138292 |
| **UniProt ID** | Q06210 |
| **Chromosome Location** | 2p13 |
| **Pathway** | Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Asparagine N-linked glycosylation, organism-specific biosystem; |
| **Function** | glutamine-fructose-6-phosphate transaminase (isomerizing) activity; sugar binding; transferase activity; |

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