

## Recombinant Human GFPT1, His-tagged

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

### SPECIFICATION

**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°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

### GENE INFORMATION

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

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<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>	<a href="#">2673</a>
<b>mRNA Refseq</b>	<a href="#">NM_001244710</a>
<b>Protein Refseq</b>	<a href="#">NP_001231639</a>
<b>MIM</b>	<a href="#">138292</a>
<b>UniProt ID</b>	<a href="#">Q06210</a>
<b>Chromosome Location</b>	2p13
<b>Pathway</b>	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;
<b>Function</b>	glutamine-fructose-6-phosphate transaminase (isomerizing) activity; sugar binding; transferase activity;

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