Recombinant Human GFPT2, GST-tagged

Cat. No. GFPT2-13234H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GFPT2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	330-682a.a.
Description	Guanylate binding protein expression is induced by interferon. Guanylate binding proteins are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP) and are distinguished from the GTP-binding proteins by the presence of 2 binding motifs rather than 3.
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 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	GFPT2 glutamine-fructose-6-phosphate transaminase 2 [Homo sapiens]
Official Symbol	GFPT2

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Synonyms	GFPT2; glutamine-fructose-6-phosphate transaminase 2; glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 2; GFAT2; glutamine: fructose 6 phosphate aminotransferase 2; GFAT 2; hexosephosphate aminotransferase 2; D-fructose-6-phosphate amidotransferase 2; glutamine:fructose 6 phosphate amidotransferase 2; glutamine: fructose-6-phosphate aminotransferase 2; FLJ10380;
Gene ID	9945
mRNA Refseq	NM_005110
Protein Refseq	NP_005101
MIM	603865
UniProt ID	O94808
Chromosome Location	5q
Pathway	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; Biosynthesis of the N-glycan precursor (dolichol lipid-linked oligosaccharide, LLO) and transfer to a nascent protein, organism-specific biosystem; Metabolic pathways, organism-specific biosystem;
Function	glutamine-fructose-6-phosphate transaminase (isomerizing) activity; sugar binding; transferase activity;

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