

## Product datasheet for **AR51597PU-S**

### GFPT1 / GFAT1 (332-699, His-tag) Human Protein

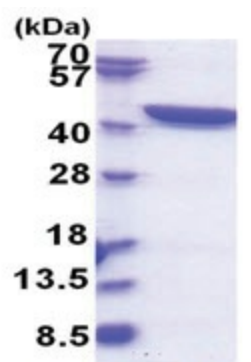
#### Product data:

Product Type:	Recombinant Proteins
Description:	GFPT1 / GFAT1 (332-699, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSQQIMKGN FSSFMQKEIF EQPESVNTM RGRVNFDDYT VNLGGLKDHI KEIQRCLRLI LIACGTSYHA GVATRQVLEE LTLPVMVEL ASDFLDRNTP VFRDDVCFLL SQSGETADTL MGLRYCKERG ALTVGITNTV GSSISRETDC GVHINAGPEI GVAISKAYTS QFVSLVMFAL MMCDDRISMQ ERRKEIMLGL KRLPDLIKEV LSMDDIEQKL ATELYHQKSV LIMGRGYHYA TCLEGALKIK EITYMHSEGI LAGELKHGPL ALVDKLMPI MIIMRDHTYA KCQNALQQV ARQGRPVIC DKEDTETIKN TKRTIKVPHS VDCLQGILSV IPLQLLAFHL AVLRGYDVDF PRNLAKSVTV E
Tag:	His-tag
Predicted MW:	43.7 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 2 mM DTT, 2 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GFPT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001231639</a>
Locus ID:	2673
UniProt ID:	<a href="#">Q06210</a>



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<b>Cytogenetics:</b>	2p13.3
<b>Synonyms:</b>	CMS12; CMSTA1; GFA; GFAT; GFAT 1; GFAT1; GFAT1m; GFPT; GFPT1L; MSLG
<b>Summary:</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, Sep 2008]
<b>Protein Families:</b>	Protease
<b>Protein Pathways:</b>	Alanine, aspartate and glutamate metabolism, Amino sugar and nucleotide sugar metabolism, Metabolic pathways

**Product images:**

15% SDS-PAGE (3ug)