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## Datasheet for ABIN1473625 GFPT1 Protein (AA 2-681) (His tag)

### Overview

Quantity:	1 mg
Target:	GFPT1
Protein Characteristics:	AA 2-681
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GFPT1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence: CGIFAYLNY HVPRTREIL ETLIKGLQRL EYRGYSAGV GLDGGNDKDW EANACKIQLI  
 KKKGKVKALD EEVHKQQDMD LDIEFDVHLG IAHTRWATHG EPSPVNSHPQ RSDKNNEFIV  
 IHNGIITNYK DLKKFLESKG YDFESETDTE TIAKLVKMY DNWESQDVSF TTLVERVIQQ  
 LEGAFALVFK SVHFPGQAVG TRRGSPLLIG VRSEHKLSTD HIPILYRTGK DKKGSCGLSR  
 VDSTTCLFPV EEKAVEYYFA SDASAVIEHT NRVIFLEDD VAAVVDGRLS IHRIKRTARD  
 HPGRAVQLTQ MELQQIMKGN FSSFMQKEIF EQPESVNTM RGRVNFDDYT VNLGGLKDHI  
 KEIQRCRRLI LIACGTSYHA GMATRQVLEE LTELPMVEL ASDFLDRNTP VFRDDVCFFI  
 SQSGETADTL MGLRYCKERG ALTVGITNTV GSSISRETDC GVHINAGPEI GVASTKAYTS  
 QFVSLVMFAL MMCDRISMQ ERRKEIMLGL KRLPDLIKEV LSMDDEIQLK ATELYHQKSV  
 LIMGRGYHYA TCLEGALKIK EITYMHSEGI LAGELKHGPL ALVDKLPVI MIIMRDHTYA  
 KCQNALQQVV ARQGRPVIC DKEDTETIKN TKRTIKVPHS VDCLQGILSV IPLQLLAFHL  
 AVLRGYDVDF PRNLAKSVTV E

## Product Details

Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

## Target Details

Target:	GFPT1
Alternative Name:	Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1 (Gfpt1) ( <a href="#">GFPT1 Products</a> )
Background:	<p>Recommended name: Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1. EC= 2.6.1.16.</p> <p>Alternative name(s): D-fructose-6-phosphate amidotransferase 1 Glutamine:fructose 6 phosphate amidotransferase 1.</p> <p>Short name= GFAT 1.</p> <p>Short name= GFAT1 Hexosephosphate aminotransferase 1</p>
UniProt:	<a href="#">P82808</a>
Pathways:	<a href="#">ER-Nucleus Signaling</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

Comment:	<p>The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.