Datasheet for ABIN7584447

GFPT1 Protein (AA 2-681) (His tag)

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Overview

Quantity:	100 µg
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 HVPRTRREIL ETLIKGLQRL EYRGYDSAGV GLDGGNDKDW EANACKIQLI KKKGKVKALD EEVHKQQDMD LDIEFDVHLG IAHTRWATHG EPSPVNSHPQ RSDKNNEFIV IHNGIITNYK DLKKFLESKG YDFESETDTE TIAKLVKYMY DNWESQDVSF TTLVERVIQQ LEGAFALVFK SVHFPGQAVG TRRGSPLLIG VRSEHKLSTD HIPILYRTGK DKKGSCGLSR VDSTTCLFPV EEKAVEYYFA SDASAVIEHT NRVIFLEDDD VAAVVDGRLS IHRIKRTARD HPGRAVQTLQ MELQQIMKGN FSSFMQKEIF EQPESVVNTM RGRVNFDDYT VNLGGLKDHI KEIQRCRRLI LIACGTSYHA GMATRQVLEE LTELPVMVEL ASDFLDRNTP VFRDDVCFFI SQSGETADTL MGLRYCKERG ALTVGITNTV GSSISRETDC GVHINAGPEI GVASTKAYTS QFVSLVMFAL MMCDDRISMQ ERRKEIMLGL KRLPDLIKEV LSMDDEIQKL ATELYHQKSV LIMGRGYHYA TCLEGALKIK EITYMHSEGI LAGELKHGPL ALVDKLMPVI MIIMRDHTYA KCQNALQQVV ARQGRPVVIC 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, mammalien 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) (GFPT1 Products)
Background:	Recommended name: Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1. EC= 2.6.1.16. Alternative name(s): D-fructose-6-phosphate amidotransferase 1 Glutamine:fructose 6 phosphate amidotransferase 1. Short name= GFAT 1. Short name= GFAT1 Hexosephosphate aminotransferase 1
UniProt:	P82808
Pathways:	ER-Nucleus Signaling, Regulation of Carbohydrate Metabolic Process

Application Details

Comment:	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 modificated 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.
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.