Datasheet for ABIN7584432

GCK Protein (AA 1-465) (His tag)

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Overview

Quantity:	100 µg
Target:	GCK
Protein Characteristics:	AA 1-465
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GCK protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MLDDRARMEA TKKEKVEQIL AEFQLQEEDL KKVMSRMQKE MDRGLRLETH EEASVKMLPT YVRSTPEGSE VGDFLSLDLG GTNFRVMLVK VGEGEAGQWS VKTKHQMYSI PEDAMTGTAE MLFDYISECI SDFLDKHQMK HKKLPLGFTF SFPVRHEDLD KGILLNWTKG FKASGAEGNN IVGLLRDAIK RRGDFEMDVV AMVNDTVATM ISCYYEDRQC EVGMIVGTGC NACYMEEMQN VELVEGDEGR MCVNTEWGAF GDSGELDEFL LEYDRMVDES SANPGQQLYE KIIGGKYMGE LVRLVLLKLV DENLLFHGEA SEQLRTRGAF ETRFVSQVES DSGDRKQIHN ILSTLGLRPS VTDCDIVRRA CESVSTRAAH MCSAGLAGVI NRMRESRSED VMRITVGVDG SVYKLHPSFK ERFHASVRRL TPNCEITFIE SEEGSGRGAA LVSAVACKKA CMLAQ
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.

Product Details

Purity:	> 90 %

Target Details

Target:	GCK
Alternative Name:	Glucokinase (Gck) (GCK Products)
Background:	Recommended name: Glucokinase. EC= 2.7.1.2. Alternative name(s): Hexokinase type IV. Short name= HK IV Hexokinase-4. Short name= HK4 Hexokinase-D
UniProt:	P17712
Pathways:	MAPK Signaling, Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis , Cellular Glucan Metabolic Process, 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

Handling

	one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.