Datasheet for ABIN1617166

Hexokinase 1 Protein (HK1) (AA 1-484) (His tag)

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Overview

Quantity:	1 mg
Target:	Hexokinase 1 (HK1)
Protein Characteristics:	AA 1-484
Origin:	Schizosaccharomyces pombe
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hexokinase 1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MSLHDAYHWP SRTPSRKGSN IKLNKTLQDH LDELEEQFTI PTELLHRVTD RFVSELYKGL TTNPGDVPMV PTWIIGTPDG NEHGSYLALD LGGTNLRVCA VEVQGNGKFD ITQSKYRLPQ ELKVGTREAL FDYIADCIKK FVEEVHPGKS QNLEIGFTFS YPCVQRSIND ASLVAWTKGF DIDGVEGESV GPLLSAALKR VGCNNVRLNA ILSDTTGTLV ASNYASPGTE IGVIFGTGCN ACYIEKFSEI PKLHKYDFPE DMNMIINCEW CDFDNQHVVL PRTKYDVAID EESPRPGLQT YEKMIAGCYL GDILRRILLD LYEQGALFNG QDVTKIRDPL AMDTSVLSAI EVDPFENLDE TQTLFEETYG LKTTEEERQF IRRACELIGT RSARLSACGV CALVRKMNKP SMIVGTDGSV YNLYPRFKDR LAQAFKDILG EEIGSKVVTI PAEDGSGVGA ALVSALEAKG KALTSDILAE HLKN
Specificity:	Schizosaccharomyces pombe (strain 972 / ATCC 24843) (Fission yeast)
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:	Hexokinase 1 (HK1)
Alternative Name:	Hexokinase-1 (hxk1) (HK1 Products)
Background:	Recommended name: Hexokinase-1. EC= 2.7.1.1
UniProt:	Q09756
Pathways:	Carbohydrate Homeostasis, Warburg Effect

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.