Datasheet for ABIN1641580

Hexokinase 1 Protein (HK1) (AA 1-498) (His tag)

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Overview

Quantity:	1 mg
Target:	Hexokinase 1 (HK1)
Protein Characteristics:	AA 1-498
Origin:	Oryza sativa
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hexokinase 1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MAAAAVAADQ KVVTMTSLRE GCACAAPPAA AAPPMPKMAA AQRVVAELRE ACATPAARLA EVAAAMAGEM EAGLAVEGGS SEMKMIVSYV DSLPTGGEEG SYYALDLGGT NFRVLRVRLA GGGVAERVAR EVPIPPGLMS GGGATSECLF GFIASALAEF VGEEEEEGGL DGGERELGFT FSFPVHQTSI ASGTLIRWTK AFAVDDAIGE DVVAALQAAM SERGLDMRVS ALINDTVGTL AAGSYYDEDV VAAVILGTGT NAAYVEDATA IAKLHPSQLP ASNTMVINTE WGSFASPCLP LTEFDEALDQ ESLNPGEQTY EKLISGMYLG EIVRRVLLKI SSRCPSLLGG AGELATPFVL RTPDVSAMHH DETPDLSIVG EKLERTLGIR GTSPEARRMV VEVCDIVATR AARLAAAGIV GILKKIGRVD GGEGRRRRSV VAVDGGLFEH YGKFRRCMES AVRELLGEAA AERVVVKLAS DGSGLGAALV AAAHSQRA		
Specificity:	Oryza sativa subsp. japonica (Rice)
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:	Q8LH82
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.