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Datasheet for ABIN1622083 HK3 Protein (AA 1-500) (His tag)

Overview

Quantity:	1 mg
Target:	HK3
Protein Characteristics:	AA 1-500
Origin:	Oryza sativa
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This HK3 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MGRVGLGVAV GCAAVTCAIA AALVARRASA RARWRRRAVAL LREFEEGCAT PPARLRQVVD AMVVMHAGL ASDGGSKLKM LLTFVDALPS GSEEGVYYSI DLGGTNFRVL RVQVGAGSVI VNQKVEQQPI PEELTKGTTE GLFNFVALAL KNFLEGEDDQ DGKMALGFTF SFPVRQISVS SGSLIRWTKG FSIRDTVGRD VAQCLNEALA NCGLNVRVTA LVNDTVGTLA LGHYYDEDTV AAVIIGSGTN ACYIERTDAI IKCQGLLTNS GGMVVNMEWG NFWSSHLPRT PYDILLDDDET HNRNDQGFEEK MISGMYLGEI ARLVFHRMAQ ESDVFGDAAD SLSNPFILST PFLAAIRED SPDLSEVRRRI LREHLKIPDA PLKTRRLVVK VCDIVTRRAA RLAAAGIVGI LKKLGRDGSG AASSGRGRGQ PRRTVVAIEG GLYQGYVPFR EYLDEALVEI LGEEVARNVT LRVTEDGSGV GAALLAAVHS SNRQQQGGPI
Specificity:	Oryza sativa subsp. japonica (Rice)
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.

Product Details

Purity: > 90 %

Target Details

Target: HK3

Alternative Name: Hexokinase-3 (HXK3) ([HK3 Products](#))

Background: Recommended name: Hexokinase-3.
EC= 2.7.1.1.
Alternative name(s): Hexokinase-8

UniProt: [Q2KNB4](#)

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 modiflicated 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

Handling

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