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Datasheet for ABIN1622410

Hexokinase 2 Protein (HK2) (AA 1-494) (His tag)

Overview

Quantity:	1 mg
Target:	Hexokinase 2 (HK2)
Protein Characteristics:	AA 1-494
Origin:	Oryza sativa
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hexokinase 2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MRKAAAAAVA AAAAVGVALL VRRQLREAKR WGRADAVLRE LEERCAAPPG RLRQVADAMA VEMHAGLASE GGSKLMIIIS YVDALPSGEE KGVFYALDLG GTNFRVLRVQ LGGKEGRVIK QEHEISIPP HLMTGGSNEL FDFIASSLAK FVASEGEDFH LAEGRQRELG FTFSFPVKQT SIASGTLINW TKGFSIDETV GEDVVELTK ALERQGLDMK VTALINDTIG TLAGGRYDDN DVIAAVILGT GTNAAAYVERA NAIPKWHDLL PKSGDMVINM EWGNFRSSHL PLTEFDQALD AESLNPGEQV YEKLISGMYL GEIVRRVLLK MAEEASLFGD EVPPKLIKIPF IIRTPYMSMM HCDRSPDLRT VGAKLKDILG VQNTSLKTRR LVVDVCDIVA KRAAHLAAAG IHGILKKLGR DVPNTDKQRT VIAVDGGLYE HYTIFAECVE STLRDMLGED VSSTIVIKLA KDGSGIGAAL LAAHSQYRE AEEL
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: Hexokinase 2 (HK2)

Alternative Name: Hexokinase-2 (HXK2) ([HK2 Products](#))

Background: Recommended name: Hexokinase-2.
EC= 2.7.1.1.
Alternative name(s): Hexokinase-3

UniProt: [Q2KNB9](#)

Pathways: [PI3K-Akt Signaling](#), [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 modified 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.