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Datasheet for ABIN7479130

Hexokinase 1 Protein (HK1) (AA 1-485) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	Hexokinase 1 (HK1)
Protein Characteristics:	AA 1-485
Origin:	Saccharomyces cerevisiae
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hexokinase 1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MVHLGPKKPQ ARKGSMDV P KELMDEIHLQ L EDMFTVDSET LRVVVKHFID ELNKGLTKKG GNIPMIPGWV MEFPTGKESG NYLAIDLGGT NLRVVLVKLS GNHTFDTTQS KYKLPHDMRT TKHQEELWSF IADSLKDFMV EQELLNTKDT LPLGFTFSYP ASQNKINEGI LQRWTKGFDI PNVEGHDVVP LLQNEISKRE LPIEIVALIN DTVGTLIASY YDPETKMGV IFGTGVNGAF YDVVSDIEKL EGKLADDIPS NSPMAINCEY GSFDNEHLVL PRTKYDVAVD EQSPRPGQQA FEKMTSGYYL GELLRLVLE LNEKGLMLKD QDLSKLGQPY IMDTSYPARI EDDPFENLED TDDIFQKDFG VKTTLPERKL IRRLCELIGT RAARLAVCGI AAICQKRGYK TGHIAADGSV YNKYPGFKEA AAKGLRDIYG WTDASKDPI TIVPAEDGSG AGAAVIAALS EKRIAEGKSL GIIGA
Specificity:	Saccharomyces cerevisiae (strain ATCC 204508 / S288c) (Bakers yeast)
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 1 (HK1)

Alternative Name: Hexokinase-1 (HXK1) ([HK1 Products](#))

Background: Recommended name: Hexokinase-1.
EC= 2.7.1.1.
Alternative name(s): Hexokinase PI Hexokinase-A

UniProt: [P04806](#)

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 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

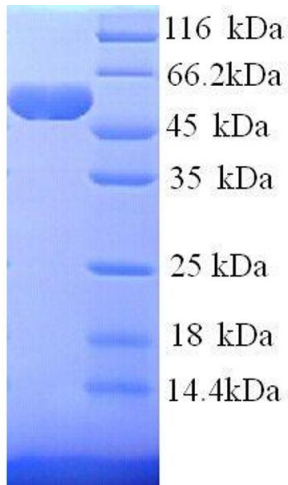
Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Handling

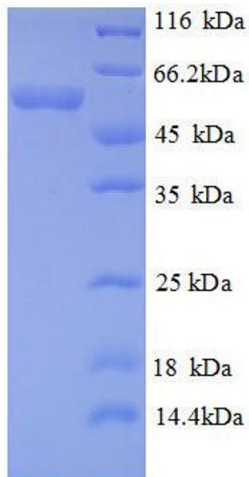
Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.

Images



SDS-PAGE

Image 1. Hexokinase 1 (HK1) (AA 1-485) protein (His tag)



SDS-PAGE

Image 2. Protein expressed in E.coli.