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Datasheet for ABIN1660764 GLK1 Protein (AA 2-500) (His tag)

Overview

Quantity:	1 mg
Target:	GLK1
Protein Characteristics:	AA 2-500
Origin:	Saccharomyces cerevisiae
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLK1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>SFDDLHKAT ERAVIQAVDQ ICDDFEVTPE KLDELTAIFY EQMEKGLAPP KEGHTLASDK</p> <p>GLPMIPAFVT GSPNGTERGV LLAADLGGTN FRICSVNLHG DHTFSMEQMK SKIPDDLDD</p> <p>ENVTSDDLFG FLARRTLAFM KKYHPDELA GDAKPMKLG FTFSYPVDQT SLNSGTLIRW</p> <p>TKGFRIADTV GKDVVQLYQE QLSAQGMPMI KVALTNDTV GTYLSHCYTS DNTDSMTSGE</p> <p>ISEPVIGCIF GTGTNGCYME EINKITKLPQ ELRDKLIKEG KTHMIINVEW GSFDNELKHL</p> <p>PTTKYDVVID QKLSTNPGFH LFEKRVSGMF LGEVLRNVLV DLHSQGLLLQ QYRSKEQLPR</p> <p>HLTPPFQLSS EVLSHIEIDD STGLRETELS LLQSLRLPTT PTERVQIQKL VRAISRRSAY</p> <p>LAAPPLAAIL IKTNALNKRY HGEVEIGCDG SVVEYYPGFR SMLRHALALS PLGAEGGERKV</p> <p>HLKIAKDGSV VGAALCALVA</p>
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: GLK1

Alternative Name: Glucokinase-1 (GLK1) ([GLK1 Products](#))

Background: Recommended name: Glucokinase-1.
EC= 2.7.1.2.
Alternative name(s): Glucose kinase 1.
Short name= GLK-1

UniProt: [P17709](#)

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.