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Datasheet for ABIN1674891
GK5 Protein (AA 1-479) (His tag)

Overview

Quantity:	1 mg
Target:	GK5
Protein Characteristics:	AA 1-479
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GK5 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MSSPRNGYRD RLILAVDVGS SVLRCHLYNQ SGEICGSAED KLKVLYPQAG YEIDPESLW EQFVRVKEA VADAGIQMSQ VAGLGISTQR GTFITWNKKT GETFHNFIW QDLRAADLVS SWNRSLLLKA VHGVTALHF FTRRKRFLAA SLINFTTQHV SLRLVWVLQN IPQVRQAAEK GNCCFGTIDT WLLHKLTKGT VFATDYSNAS GTAVFDPYLM CWSSFLCSLL SIPLSIFPPV EDTSHSFGLA DPTIFGAPVP ILALVADQQA AMFGQCCFDV GSVKLTMTGTG SFISINTGET LHTSIAGLYP LIGWKVGDEV VCLAEGNASD TGTAIKWAE LNLFTSVADT EAMARVSPDC GGIYLVPSFS GLQAPINDPY ACASFMGLKP STSKSHLVRA ILESVAYRNK QLYDRTLRET TIPITLIRAD GGVSNNNFIM QMTADLLGQT IDKPKHTDMS SLGAAFLAGM AVYGPLKTS
Specificity:	Xenopus laevis (African clawed frog)
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: GK5

Alternative Name: Putative glycerol kinase 5 (gk5) ([GK5 Products](#))

Background: Recommended name: Putative glycerol kinase 5.
Short name= GK 5.
Short name= Glycerokinase 5.
EC= 2.7.1.30.
Alternative name(s): ATP:glycerol 3-phosphotransferase 5

UniProt: [Q6GP95](#)

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.