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## Datasheet for ABIN1630567 AK8 Protein (AA 1-485) (His tag)

### Overview

Quantity:	1 mg
Target:	AK8
Protein Characteristics:	AA 1-485
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This AK8 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MDATRKPLRI PPAMAVYAEH HGVFDIIQKM VEKVLVDRPE DPIQYIMIDHL SNDNDDVPRV FILGPPASGK HTMAKLLCKR LNATHLTPEN VLSSDVSLLV KEAQSYRDKG QEVPDELWAK LMRERLSQVD CIKRGWVLEG FPKTRDQALM LQMAGVCPGH LVVLDAPDIV LIERNMGKRI DITDGEVYHT TFDWPSDPAV QRNLVEPEGI SEEETGQRLL EFHRNIPGLL RTYSKVSCKI NVDQPYMDVF SQVLTFVLSK QRSLAPHTPR ILLYGPPGSG RSLQASLLAQ KYGIINICCG QVLKEAVADQ TKLGELIQPY IENDQQVPDN FVLKILTDHL SSLESAKHGW VLHGFPQDTD QAALLKDAGF MPNRVFSLDL SDDVVIERLS LCMTDPVSGE RYHSIYKPAP RSEVQERLQQ NPKYSEEKQV ARLDVYHANA DELEEFYQDV IHINADQDPY TVFEFIESYI VSPLPKSLPE EPTSP
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

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Purity: > 90 %

## Target Details

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Target: AK8

Abstract: [AK8 Products](#)

Background: Recommended name: Adenylate kinase 8.  
EC= 2.7.4.3

UniProt: [Q5M7G4](#)

Pathways: [Nucleotide Phosphorylation](#)

## Application Details

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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

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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

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