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Datasheet for ABIN1668518 Riboflavin Kinase Protein (RFK) (AA 1-130) (His tag)



Overview

Quantity:	1 mg
Target:	Riboflavin Kinase (RFK)
Protein Characteristics:	AA 1-130
Origin:	Staphylothermus marinus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Riboflavin Kinase protein is labelled with His tag.
Application:	ELISA
Product Details	
Sequence:	MPIKLKGKIV SGLGVGAKYV QLYRGVFNKY LGIDPYPGTL NIDIGQDFFI YTKKLKAKII
	PPPRKGLGCV LAYPGILMGI KIYVIKPCIT NHGRNILEII SDKNLRKTLN LKDNDIVEII IYDEEDYSYI
Specificity:	Staphylothermus marinus (strain ATCC 43588 / DSM 3639 / F1)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien
	cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %
Target Details	
Target:	Riboflavin Kinase (RFK)
Alternative Name:	Riboflavin kinase (ribK) (RFK Products)

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Target Details	
Background:	Recommended name: Riboflavin kinase.
	Short name= RFK.
	EC= 2.7.1.161.
	Alternative name(s): CTP-dependent riboflavin kinase CTP:riboflavin 5'-phosphotransferase
	Flavokinase
UniProt:	A3DNT5

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

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