Datasheet for ABIN1617036

PRKAG1 Protein (AA 1-330) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	PRKAG1
Protein Characteristics:	AA 1-330
Origin:	Pig
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKAG1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	METVTSSDSS SAVENEHPQD TPESNNSVYT SFMKSHRCYD LIPTSSKLVV FDTSLQVKKA FFALVTNGVR AAPLWDSKKQ SFVGMLTITD FINILHRYYK SALVQIYELE EHKIETWREV YLQDSFKPLV CISPNASLFD AVSSLIRNKI HRLPVIDPES GNTLYILTHK RILKFLKLFI TEFPKPEFMS KSLEELQIGT YANIAMVRTT TPVYVALGIF VQHRVSALPV VDEKGRVVDI YSKFDVINLA AEKTYNNLDV SVTKALQHRS HYFEGVLKCY LHETLETIIN RLVEAEVHRL VVVDENDVVK GIVSLSDILQ ALVLTGGEKP
Specificity:	Sus scrofa (Pig)
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:	PRKAG1
Alternative Name:	5-AMP-activated protein kinase subunit gamma-1 (PRKAG1) (PRKAG1 Products)
Background:	Recommended name: 5'-AMP-activated protein kinase subunit gamma-1. Short name= AMPK gamma1. Short name= AMPK subunit gamma-1. Short name= AMPKg. Alternative name(s): 38 kDa subunit
UniProt:	Q09138
Pathways:	AMPK Signaling, Regulation of Carbohydrate Metabolic Process, 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 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.