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Datasheet for ABIN1622528 PRKAG3 Protein (AA 1-497) (His tag)

Overview

Quantity:	1 mg
Target:	PRKAG3
Protein Characteristics:	AA 1-497
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRKAG3 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MEPAELEHAL CGSLFSTQTP SWSSFGGPEH QEMSFLEQGD STSWPSPAMT TSAEISLGEQ RTKVSRWKSQ EDVEERELPG LEGGPQSRAA AESTGLEATF PKATPLAQAT PLSAVGTPTT ERDSL PADCT ASASSSSTDD LDQGIEFSAP AAWGDELGLV EERPAQCPSQ QVPVLR LGWD DELRKPGAQV YMHFMQEHTC YDAMATSSKL VIFDTMLQIK KAFFALVANG VRAAPLWDSK KQSFVGMLTI TDFILVLHRY YRSPLVQIYE IEEHKIETWR EIYLQGC FKP LVSISPSDSL FEAVYTLIKN RIHRLPVLDP VSGAVLHILT HKRLLKFLHI FQRTLLPRPS FLYRTIQDLG IGTFRD LAVV LETAPITAL DIFVDRRVSA LPVINEAGQV VGLYSRFDVI HLAAQQTYNH LDISVGEALR RRTLCLGVL SCQPHETLGE VIDRIAREQV HRLVLVDETQ HLLGVVSLSD ILQALVLSPA GIDALGA
Specificity:	Bos taurus (Bovine)
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: PRKAG3

Alternative Name: 5-AMP-activated protein kinase subunit gamma-3 (PRKAG3) ([PRKAG3 Products](#))

Background: Recommended name: 5'-AMP-activated protein kinase subunit gamma-3.
Short name= AMPK gamma3.
Short name= AMPK subunit gamma-3

UniProt: [Q2LL38](#)

Pathways: [AMPK Signaling](#), [Cellular Glucan 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 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.