Datasheet for ABIN7585434

PCK1 Protein (AA 1-622) (His tag)

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Overview

Quantity:	100 µg
Target:	PCK1
Protein Characteristics:	AA 1-622
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCK1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MPPQLHNGLD FSAKVIQGSL DSLPQEVRKF VEGNAQLCQP EYIHICDGSE EEYGRLLAHM QEEGVIRKLK KYDNCWLALT DPRDVARIES KTVIITQEQR DTVPIPKSGQ SQLGRWMSEE DFEKAFNARF PGCMKGRTMY VIPFSMGPLG SPLAKIGIEL TDSPYVVASM RIMTRMGTSV LEALGDGEFI KCLHSVGCPL PLKKPLVNNW ACNPELTLIA HLPDRREIIS FGSGYGGNSL LGKKCFALRI ASRLAKEEGW LAEHMLILGI TNPEGKKKYL AAAFPSACGK TNLAMMNPTL PGWKVECVGD DIAWMKFDAQ GNLRAINPEN GFFGVAPGTS VKTNPNAIKT IQKNTIFTNV AETSDGGVYW EGIDEPLAPG VTITSWKNKE WRPQDEEPCA HPNSRFCTPA SQCPIIDPAW ESPEGVPIEG IIFGGRRPAG VPLVYEALSW QHGVFVGAAM RSEATAAAEH KGKVIMHDPF AMRPFFGYNF GKYLAHWLSM AHRPAAKLPK IFHVNWFRKD KNGKFLWPGF GENSRVLEWM FGRIEGEDSA KLTPIGYVPK EDALNLKGLG DVNVEELFGI SKEFWEKEVE EIDKYLEDQV NADLPYEIER ELRALKQRIS QM
Specificity:	Rattus norvegicus (Rat)

Product Details

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:	PCK1
Alternative Name:	Phosphoenolpyruvate carboxykinase, cytosolic [GTP] (Pck1) (PCK1 Products)
Background:	Recommended name: Phosphoenolpyruvate carboxykinase, cytosolic [GTP]. Short name= PEPCK-C. EC= 4.1.1.32. Alternative name(s): Phosphoenolpyruvate carboxylase
UniProt:	P07379
Pathways:	Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis

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

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.