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Datasheet for ABIN1628956
CDK1 Protein (AA 1-294) (His tag)

Overview

Quantity:	1 mg
Target:	CDK1
Protein Characteristics:	AA 1-294
Origin:	Moth bean (<i>Vigna aconitifolia</i>)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MEQYEKVEKI GEGTYGVVYK ARDRVNETI ALKKIRLEQE DEGVPSTAIR EISLLKEMQH RNIVRLQDVV HSEKRLYLVF EYLDLDLKKH MDSSPEFVKD PRQVKMFLYQ ILCGIAYCHS HRVLHRDLKP QNLLIDRRTN SLKLADFGLA RAFGIPVRTF THEVTLWYR APELLGSRH YSTPVDVWSV GCIFAEMVNR RPLFPGDSEI DELFKIFRIL GTPNEETWPG VTALPDFKST FPKWPPKDLA TVPNLDAAG LNLSSMLCL DPSKRITARI AVEHEYFKDI KFVP
Specificity:	<i>Vigna aconitifolia</i> (Moth bean) (<i>Phaseolus aconitifolius</i>)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in <i>E. coli</i> , mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	CDK1
Alternative Name:	Cell division control protein 2 homolog (CDC2) (CDK1 Products)
Background:	Recommended name: Cell division control protein 2 homolog. EC= 2.7.11.22. EC= 2.7.11.23. Alternative name(s): p34cdc2
UniProt:	Q41639
Pathways:	Cell Division Cycle , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Mitotic G1-G1/S Phases , DNA Replication , M Phase , Toll-Like Receptors Cascades , Synthesis of DNA

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 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

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.