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Datasheet for ABIN1477442 CDK7 Protein (AA 1-352) (His tag)

Overview

Quantity:	1 mg
Target:	CDK7
Protein Characteristics:	AA 1-352
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK7 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MEGIAARGVD VRSRAKQYEK LDFLGEGQFA TVYKARDKNT DRIVAIIKKIK LGHRAEANDG INRTALREIK LLQELSHPN IIGLLDAFGHK SNISLVDFDM ETDLEVIK D TSLVLTPAHI KSYMLMTLQG LEYLHHLWIL HRDLKPNLL LDENGVLKLA DFGLAKSFGS PNRIYTHQVV TRWYRSP ELL FGARMYGVGV DMWAVGCILA ELLLRVPFLP GDSLDLQLTR IFETLGTPT E EQWPGMSSLP DYVAFKSFP TPLHLIFIAA GDDLLELLQG LFTFNPCARC TASQALRKRY FSNRPAPTPG NLLPRPNCSI EALKEQQNLN LGIKRKRT EG MDQKDI AKKL SF
Specificity:	Xenopus laevis (African clawed frog)
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.
Purity:	> 90 %

Target Details

Target:	CDK7
Abstract:	CDK7 Products
Background:	<p>Recommended name: Cyclin-dependent kinase 7.</p> <p>EC= 2.7.11.22.</p> <p>EC= 2.7.11.23.</p> <p>Alternative name(s): 40 kDa protein kinase CDC2/CDK2,4-activating kinase Cell division protein kinase 7 P40 MO15</p>
UniProt:	P20911
Pathways:	Cell Division Cycle , DNA Damage Repair , Intracellular Steroid Hormone Receptor Signaling Pathway , Mitotic G1-G1/S Phases , M Phase

Application Details

Comment:	<p>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.</p>
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.