Datasheet for ABIN7583819

CDK7 Protein (AA 1-329) (His tag)

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Overview

Quantity:	100 µg
Target:	CDK7
Protein Characteristics:	AA 1-329
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK7 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	ANRNEKLDFL GEGQFATVYK ARDKNTNQIV AIKKIKLGHR SEAKDGINRT ALREIKLLQE LSHPNIIGLL DAFGHKSNIS LVFDFMETDL EVIIKDNSLV LTPSHIKAYM LMTLQGLEYL HQHWILHRDL KPNNLLLDEN GVLKLADFGL AKSFGSPNWA YTHQVVTRWY RAPELLFGAR MYGVGVDMWA VGCILAELLL RVPFLPGDSD LDQLTRIFET LGTPTEEQWP DMCSLPDYVT FKSFPGIPLQ HIFIAAGDDL LELIQGLFLF NPCTRITASQ ALRTKYFSNR PGPTPGCQLP RPNCPVEALK EQSNPAMATK RKRAEALEQ
Specificity:	Rattus norvegicus (Rat)
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:	CDK7
Abstract:	CDK7 Products
Background:	Recommended name: Cyclin-dependent kinase 7. EC= 2.7.11.22. EC= 2.7.11.23. Alternative name(s): 39 protein kinase. Short name= P39 Mo15 CDK-activating kinase 1 Cell division protein kinase 7 TFIIH basal transcription factor complex kinase subunit
UniProt:	P51952
Pathways:	Cell Division Cycle, DNA Damage Repair, Intracellular Steroid Hormone Receptor Signaling Pathway, Mitotic G1-G1/S Phases, M Phase

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

Handling

Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.