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Datasheet for ABIN1458670 **p21 Protein (AA 2-164) (His tag)**

Overview

Quantity:	1 mg
Target:	p21 (CDKN1A)
Protein Characteristics:	AA 2-164
Origin:	Cat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This p21 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	SEPSRDAHQ IPHGSKACRR LFGPVDSEQL RRDCDALMAG CVQEARERWN FDFVTETPLE GDFAWERVWG LGLPKLYLPA GPRGGRDDLGGGKRPSTSST LLPGTAREDH LDLSLSCTLM PHSPERPEAS PGAPGTSQGR KRRQTSMTDF YHSKRRLIFS KRKP
Specificity:	Felis catus (Cat) (Felis silvestris catus)
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:	p21 (CDKN1A)
Alternative Name:	Cyclin-dependent kinase inhibitor 1 (CDKN1A) (CDKN1A Products)

Target Details

Background: Recommended name: Cyclin-dependent kinase inhibitor 1.
Alternative name(s): CDK-interacting protein 1 p21

UniProt: [O19002](#)

Pathways: [p53 Signaling](#), [PI3K-Akt Signaling](#), [Cell Division Cycle](#), [AMPK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Hepatitis C](#), [Synthesis of DNA](#), [Autophagy](#)

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

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