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Datasheet for ABIN7505149 p21 Protein (AA 40-164) (His tag)

Overview

Quantity:	100 µg
Target:	p21 (CDKN1A)
Protein Characteristics:	AA 40-164
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This p21 protein is labelled with His tag.

Product Details

Sequence:	Gly 40-Pro 164
Characteristics:	A DNA sequence encoding the Human P21 protein (P38936) (Gly 40-Pro 164) was expressed with a N-His tag.
Purity:	>95 % as determined by reducing SDS-PAGE.

Target Details

Target:	p21 (CDKN1A)
Alternative Name:	P21 (CDKN1A Products)
Background:	Background: May be the important intermediate by which p53/TP53 mediates its role as an inhibitor of cellular proliferation in response to DNA damage. Binds to and inhibits cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase Synonym: CAP20,CDK-interacting protein 1,CDKI,CDKN1,CDN1A,CIP1,CDKN1A,Cyclin

Target Details

	Dependent Kinase Inhibitor 1A,DNA Synthesis Inhibitor,MDA-6,MDA6,Melanoma differentiation-associated protein 6,P21cip1,P21waf,PIC1,SDI1,SLC12A9,WAF1
Molecular Weight:	13.64 kDa
UniProt:	P38936
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

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months