

[Go to Product page](#)

Datasheet for ABIN7318229 PKIB Protein (His tag)

Overview

Quantity:	50 µg
Target:	PKIB
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKIB protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PKIB/PKI-β Protein (His Tag)
Sequence:	Met 1-Lys78
Characteristics:	Recombinant Human cAMP-dependent Protein Kinase Inhibitor beta is produced by our E.coli expression system and the target gene encoding Met1-Lys78 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PKIB
Alternative Name:	PKIB/PKI-beta (PKIB Products)
Background:	Background: cAMP-Dependent Protein Kinase Inhibitor β (PKI-β) is a member of the PKI family. As a member of the cAMP-dependent protein kinase inhibitor family, It has been shown that

Target Details

PKI- β is an extremely potent competitive inhibitor of cAMP-dependent protein kinase activity, this protein interacts with the catalytic subunit of the enzyme after the cAMP-induced dissociation of its regulatory chains. It may play a role in the protein kinase A (PKA) pathway by interacting with the catalytic subunit of PKA, and overexpression of this gene may play a role in prostate cancer.

Synonym: cAMP-Dependent Protein Kinase Inhibitor Beta, PKI-beta, PKIB, PRKACN2

Molecular Weight:	10.6 kDa
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UniProt:	Q9C010
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Pathways:	Myometrial Relaxation and Contraction
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 μ m filtered solution of 20 mM TrisHCl, 100 mM NaCl, 1 mM DTT, 20 % Glycerol, pH 8.0.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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