

# Recombinant Human PKIB/PKI-β Protein (His Tag)

Catalog Number:PKSH032155



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

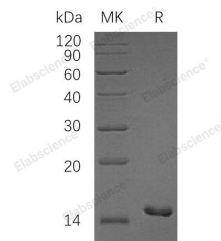
## Description

<b>Synonyms</b>	cAMP-Dependent Protein Kinase Inhibitor Beta;PKI-beta;PKIB;PRKACN2
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Lys78
<b>Accession</b>	Q9C010
<b>Calculated Molecular Weight</b>	10.6 kDa
<b>Observed molecular weight</b>	16 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 20% Glycerol, pH 8.0.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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 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.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017