

[Go to Product page](#)

Datasheet for ABIN1097340

PKIB Protein (AA 1-78) (His tag)

Overview

Quantity:	50 µg
Target:	PKIB
Protein Characteristics:	AA 1-78
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 cAMP-dependent Protein Kinase Inhibitor β /PKI- β (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MRTDSSKMTD VESGVANFAS SARAGRRNAL PDIQSSAATD GTSDLPLKLE ALSVKEDAKE KDEKTTQDQL EKPQNEEK
Characteristics:	Recombinant Human cAMP-dependent Protein Kinase Inhibitor β /PKI- β (N-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PKIB
Alternative Name:	PKI-beta (PKIB Products)

Target Details

Background:	<p>Recombinant Human cAMP-dependent Protein Kinase Inhibitor β/PKI-β is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Lys78) of Human PKI-β fused with a His tag at the N-terminus.</p> <p>cAMP-Dependent Protein Kinase Inhibitor β (PKI-β) is a member of the PKI 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.</p>
Molecular Weight:	10.6 kDa
UniProt:	Q9C010
Pathways:	Myometrial Relaxation and Contraction

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 μg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
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.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months