

Recombinant Human cAMP-Dependent Protein Kinase Inhibitor Beta, His-tagged

Cat. No. PKIB-972H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PKIB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography(1-78 aa).
Species	Human
Source	E.coli
Description	PKIB, also known as cAMP-dependent protein kinase inhibitor beta, is a member of the cAMP-dependent protein kinase inhibitor family. This protein may interact with the catalytic subunit of cAMP-dependent protein kinase and act as a competitive inhibitor. At least three alternatively spliced transcript variants encoding the same protein have been reported.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT
Molecular Weight	10.6 kDa (98aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
Purity	> 95% by SDS - PAGE
Concentration	1.0 mg/ml (determined by BCA assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSHMRTDSSKMTD VESGVANFASSARAGRRL PDIQSSAATD GTSDLPLKLE ALSVKEDAKE KDEKTTQDQLEKPQNEEK

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

PKIB protein kinase (cAMP-dependent, catalytic) inhibitor beta [Homo sapiens]

Synonyms

PKIB; RP11-95G17.1; FLJ23817; PRKACN2; PKI-beta; OTTHUMP00000017115; cAMP-dependent protein kinase inhibitor2; cAMP-dependent protein kinase inhibitor beta; protein kinase (cAMP-dependent, catalytic) inhibitor beta; OTTHUMP00000017116; OTTHUMP00000017117

Gene ID

5570

mRNA Refseq

NM_032471

Protein Refseq

NP_115860

MIM

606914

UniProt ID

Q9C010

Chromosome Location

6q22.31

Function

cAMP-dependent protein kinase inhibitor activity; protein kinase inhibitor activity

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