

Recombinant Human Protein Kinase (cAMP-dependent, catalytic) Inhibitor Beta, His-tagged

Cat. No. PKIB-2502H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PKIB protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography. MW: 10.6 kDa.
Species	Human
Source	<i>E.coli</i>
ProteinLength	1-78aa
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 Mass	10.6 kDa (98aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MRTDSSKMTD VESGVANFAS SARAGRRLAL PDIQSSAATD GTSDLPLKLE ALSVKEDAKE KDEKTTQDQL EKPQNEEK
Purity	>90% by SDS-PAGE

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Applications	SDS-PAGE
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.
Concentration	1.0 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PKIB protein kinase (cAMP-dependent, catalytic) inhibitor beta [Homo sapiens]
Official Symbol	PKIB
Synonyms	PKIB; protein kinase (cAMP-dependent, catalytic) inhibitor beta; PRKACN2; cAMP-dependent protein kinase inhibitor beta; PKI-beta; cAMP-dependent protein kinase inhibitor 2; FLJ23817;
Gene ID	5570
mRNA Refseq	NM_032471
Protein Refseq	NP_115860
MIM	606914
UniProt ID	Q9C010
Chromosome Location	6q21-q22.1
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Myometrial

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Relaxation and Contraction Pathways, organism-specific biosystem;

Function

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

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