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## Product Data Sheet

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Product Name: PKIB Human  
Cat. No.: GP22596  
Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	cAMP-dependent protein kinase inhibitor beta; PKI-beta; PKIB; PRKACN2; FLJ23817.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MRTDSSKMTD VESGVANFAS SARAGRRLAL PDIQSSAATD GTSDLPLKLE ALSVKEDAKE KDEKTTQDQL EKPQNEEK.		
Formulation	PKIB solution (1mg/ml) 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

### Introduction

cAMP-dependent protein kinase inhibitor beta (PKIB) belongs to the cAMP-dependent protein kinase inhibitor family. PKIB may interact with the catalytic subunit of cAMP-dependent protein kinase and function as a competitive inhibitor.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

PKIB Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 98 amino acids (1-78) and having a molecular mass of 10.6kDa (Molecular size on SDS-PAGE will appear higher). PKIB is fused to a 20 aa His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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