



Recombinant Protein Technical Manual
Recombinant Human PKIB/PKI- β Protein (His Tag)
RPES4086

Product Data:

Product SKU: RPES4086

Size: 10 μ g

Species: Human

Expression host: E. coli

Uniprot: Q9C010

Protein Information:

Molecular Mass: 10.6 kDa

AP Molecular Mass: 16 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per μ g as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: 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.

Formulation: Supplied as a 0.2 μ m filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 20% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: cAMP-Dependent Protein Kinase Inhibitor Beta; PKI-beta; PKIB; PRKACN2

Immunogen Information:

Sequence: Met 1-Lys78

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.