

## Recombinant Human PKIB/PKI-β Protein (His Tag)

**Catalog Number:** PKSH032155

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

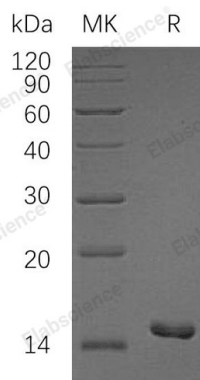
### Description

|                      |   |
|----------------------|---|
| <b>Species</b>       | Human   |
| <b>Source</b>        | E.coli-derived Human PKIB;PKI-β protein Met 1-Lys78, with an N-terminal His |
| <b>Calculated MW</b> | 10.6 kDa  |
| <b>Observed MW</b>   | 16 kDa  |
| <b>Accession</b>     | Q9C010  |
| <b>Bio-activity</b>  | Not validated for activity  |

### Properties

|                      |   |
|----------------------|---|
| <b>Purity</b>        | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Concentration</b> | Subject to label value.   |
| <b>Endotoxin</b>     | < 1.0 EU per μg of the protein as determined by the LAL method.   |
| <b>Storage</b>       | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.  |
| <b>Shipping</b>      | 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. |
| <b>Formulation</b>   | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 20% Glycerol, pH 8.0.   |

### Data



> 95 % as determined by reducing SDS-PAGE.

### 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.

### For Research Use Only

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