

Recombinant Rat Pkib Protein, His&GST-tagged

Cat. No. Pkib-1941R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pkib Protein (Met1-Lys109) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Lys109
Description	Predicted to enable cAMP-dependent protein kinase inhibitor activity. Predicted to be involved in negative regulation of cAMP-dependent protein kinase activity and positive regulation of DNA metabolic process. Predicted to be active in cytoplasm and nucleus. Orthologous to human PKIB (cAMP-dependent protein kinase inhibitor beta).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.4 kDa Accurate Molecular Mass: 45 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

Pkib protein kinase (cAMP-dependent, catalytic) inhibitor beta [*Rattus norvegicus* (Norway rat)]

Official Symbol

Pkib

Synonyms

PKIB; protein kinase (cAMP-dependent, catalytic) inhibitor beta; cAMP-dependent protein kinase inhibitor beta; PKI-beta; protein kinase inhibitor, beta; cAMP-dependent protein kinase inhibitor, testis isoform; protein kinase inhibitor beta, cAMP dependent, catalytic; protein kinase (cAMP dependent, catalytic) inhibitor beta; protein kinase inhibitor beta, cAMP dependent, testis specific; cAMP-dependent protein kinase (catalytic subunit binding) inhibitor 2; protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta; PKINH; Prkacn2; RATPKINH;

Gene ID

24678

mRNA Refseq

NM_001076553

Protein Refseq

NP_001070021

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q6AYW3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA