

# Recombinant Rat Aurkb Protein, His-tagged

**Cat. No.** Aurkb-279R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Aurkb Protein (Gly92-Pro339) with N-His tag was expressed in E. coli.                                                                                                                                                                           |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Gly92-Pro339                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Enables protein kinase activity. Involved in aging; cell population proliferation; and cleavage furrow formation. Located in midbody and spindle. Orthologous to human AURKB (aurora kinase B).                                                                 |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 32.7 kDa<br>Accurate Molecular Mass: 33kD                                                                                                                                                                                             |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                      |
| <b>Stability</b>        | 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 48h, and no obvious degradation and precipitation were observed. The loss rate is |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

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, 1 mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

[Aurkb](#) [aurora kinase B](#) [ [Rattus norvegicus](#) (Norway rat) ]

**Official Symbol**

[Aurkb](#)

**Synonyms**

AURKB; aurora kinase B; AIM-1; aurora 1; aurora-B; aurora-related kinase 2; serine/threonine kinase 12; aurora/IPL1-related kinase 2; serine/threonine-protein kinase 5; serine/threonine-protein kinase 12; serine/threonine-protein kinase aurora-B; aurora- and lpl1-like midbody-associated protein 1; Aim1; ARK-2; STK-1; Stk12

**Gene ID**

[114592](#)

**mRNA Refseq**

[NM\\_053749](#)

**Protein Refseq**

[NP\\_446201](#)

**UniProt ID**

[O55099](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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