

Recombinant Rat Aurkb Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Aurkb Protein (Gly92-Pro339) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gly92-Pro339
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.7 kDa Accurate Molecular Mass: 33kD
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 48h, and no obvious degradation and precipitation were observed. The loss rate is

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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](#)

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