

## Recombinant Human Aurora Kinase B

Cat. No. AURKB-5292H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AURKB expressed in a cell expression system.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	AURKB is a protein that functions in the attachment of the mitotic spindle to the centromere. Chromosomal segregation during mitosis as well as meiosis is regulated by kinases and phosphatases. The Aurora kinases associate with microtubules during chromosome movement and segregation. AURKB localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers, and Aurora kinase A localizes to centrosomes.
<b>Purity</b>	Greater than 95% by SDS-PAGE.
<b>Form</b>	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, 3 mM DTT.
<b>Storage</b>	6 months at -80°C.
<b>Official Symbol</b>	AURKB

### GENE INFORMATION

<b>Gene Name</b>	AURKB aurora kinase B [ Homosapiens ]
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**Synonyms** AURKB; aurora kinaseB; AIK2; AIM1; ARK2; AurB; IPL1; STK5; AIM-1;STK12; PPP1R48; aurkb-sv1; aurkb-sv2; aurora kinase B; ARK-2; STK-1; aurora 1;aurora-1; aurora-B; OTTHUMP00000135331; aurora kinase B-Sv1; aurora kinaseB-Sv2; 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;protein phosphatase 1, regulatory subunit 48; aurora- and Ipl1-likemidbody-associated protein 1

**Gene ID** [9212](#)

**mRNA Refseq** [NM\\_004217](#)

**Protein Refseq** [NP\\_004208](#)

**MIM** [604970](#)

**UniProt ID** [Q96GD4](#)

**Chromosome Location** 17p13.1

**Pathway** APC/C-mediateddegradation of cell cycle proteins; APC/C:Cdh1 mediated degradation of Cdc20and other APC/C:Cdh1 targeted proteins in late mitosis/early G1; Aurora A signaling; Aurora B signaling; Aurora C signaling; Cell Cycle; DNAReplication; FOXM1 transcription factor network; M Phase; Mitotic M-M/G1phases; Mitotic Prometaphase; Regulation of mitotic cell cycle; Signaling byAurora kinases

**Function** ATP binding; metalion binding; nucleotide binding; protein binding; protein serine/threoninekinase activity; protein serine/threonine/tyrosine kinase activity

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