Recombinant Human Aurora Kinase B

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

SPECIFICATION

Product Overview	RecombinantHuman AURKB expressed in a cell expression system.
Species	Human
Source	Sf9 Cells
Description	AURKB is aprotein that functions in the attachment of the mitotic spindle to thecentromere. Chromosomal segregation during mitosis as well as meiosis isregulated by kinases and phosphatases. The Aurora kinases associate withmicrotubules during chromosome movement and segregation. AURKB localizesto microtubules near kinetochores, specifically to the specializedmicrotubules called K-fibers, and Aurora kinase A localizes to centrosomes.
Purity	Greater than 95% bySDS-PAGE.
Form	25 mM Tris-HCl, pH8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, 3 mM DTT.
Storage	6 months at -80°C.
OfficialSymbol	AURKB

GENE INFORMATION

Gene Name	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 Asignaling; 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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