Recombinant Human Aurora Kinase B, GST-tagged, Active

Cat. No. AURKB-247H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human AURORAB was expressed by baculovirus in*Sf9 insect cells*using a N-terminal GST tag. MW = 68 kDa.
Species	Human
Source	Sf9 Cells
Description	AURORA B is a member of the Aurora kinase family that associates with microtubules during chromosome movement and segregation. AURORA B localizes to the microtubules near kinetochores, specifically to the specialized microtubules called K-fibers. AURORA B inhibits the microtubule depolymerizing activity of mitotic centromere-associated kinesin (MCAK) by phosphorylating MCAK on Ser92. This phosphorylation also regulates MCAK translocalization from kinetochores to the centromere. AURORA B has been identified as a target for the development of new anticancer agents since inhibition of AURORA B gives rise to the more pronounced antiproliferative phenotype.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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

GENE INFORMATION

Gene Name	AURKB aurora kinase B [Homo sapiens]
Synonyms	AURKB; aurora kinase B ; AIK2; AIM1; ARK2; AurB; IPL1; STK5; AIM-1; STK12; aurkb-sv1; aurkb-sv2; aurora-1; aurora-B; aurora kinase B-Sv1; aurora kinase B-Sv2; serine/threonine kinase 12; EC 2.7.11.1; Aurora- and Ipl1-like midbody-associated protein 1; Aurora-related kinase 2; Aurora/IPL1-related kinase 2
Gene ID	9212
mRNA Refseq	NM_004217
Protein Refseq	NP_004208
MIM	604970
UniProt ID	Q96GD4
Chromosome Location	17p13.1
Function	ATP binding; magnesium ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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