

## Recombinant Human Aurora Kinase A, GST-tagged, Active

Cat. No. AURKA-246H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human AURORA A was expressed by baculovirus in Sf9 cell using an N-terminal GST tag. MW = 72kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	AURORA A belongs to a multigenic family of mitotic serine/threonine kinases which are involved in the control of chromosome segregation. AURORA A is involved in centrosome separation, duplication and maturation as well as in bipolar spindle assembly and stability. AURORA A is expressed and active at the highest level during G2-M phase of the cell cycle. Overexpression of AURORA A has been found to be correlated with the grade of various human solid tumours. Ectopic AURORA A overexpression in any culture cell line leads to polyploidy and centrosome amplification.
<b>Sequence</b>	Full-length.
<b>Applications</b>	Kinase Assay, Western Blot.
<b>Storage And Stability</b>	Store product at $-70^{\circ}\text{C}$ . 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.

### GENE INFORMATION

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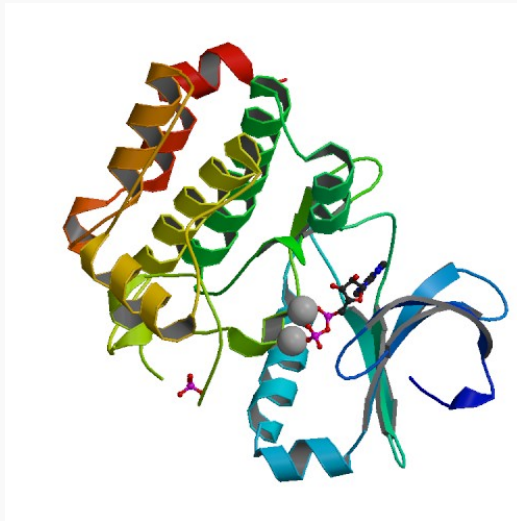
<b>Gene Name</b>	AURKA aurora kinase A [ Homo sapiens ]
<b>Synonyms</b>	AURKA ; aurora kinase A; AIK; ARK1; AURA; BTAK; STK6; STK7; STK15; AURORA2; MGC34538; OTTHUMP00000031344; OTTHUMP00000166071; IPL1-related kinase; aurora-related kinase 1; aurora/IPL1-like kinase; serine/threonine kinase 6; breast-tumor-amplified kinase; serine/threonine protein kinase 15; EC 2.7.11.1; AurA; Aurora kinase A; Aurora-A; Serine/threonine kinase 15; hARK1; Breast tumor-amplified kinase; OTTHUMP00000031340; OTTHUMP00000031342; OTTHUMP00000031343; OTTHUMP00000031345; Breast tumor-amplified kinase 3; serine/threonine protein kinase 6
<b>Gene ID</b>	6790
<b>mRNA Refseq</b>	NM_003600
<b>Protein Refseq</b>	NP_003591
<b>MIM</b>	603072
<b>UniProt ID</b>	O14965
<b>Chromosome Location</b>	20q13
<b>Pathway</b>	Cell Cycle, Mitotic
<b>Function</b>	ATP binding; nucleotide binding; protein binding; protein binding; protein serine/threonine kinase activity; transferase activity; ubiquitin protein ligase binding

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PDB rendering based  
on 1mq4.



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