

Recombinant Human Aurora Kinase A, GST-tagged, Active

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

SPECIFICATION

Product Overview	Recombinant full-length human AURORA A was expressed by baculovirus in Sf9 cells using an N-terminal GST tag. MW = 72kDa.
Species	Human
Source	Sf9 Cells
Description	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.
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.

GENE INFORMATION

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Gene Name	AURKA aurora kinase A [Homo sapiens]
Synonyms	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
Gene ID	6790
mRNA Refseq	NM_003600
Protein Refseq	NP_003591
MIM	603072
UniProt ID	O14965
Chromosome Location	20q13
Pathway	Cell Cycle, Mitotic
Function	ATP binding; nucleotide binding; protein binding; protein binding; protein serine/threonine kinase activity; transferase activity; ubiquitin protein ligase binding

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