

# Recombinant Full Length Human AURKA Protein, GST-tagged

**Cat. No.** AURKA-1059HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human AURKA full-length ORF ( AAH01280, 1 a.a. - 403 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	403 amino acids
<b>Description</b>	The protein encoded by this gene is a cell cycle-regulated kinase that appears to be involved in microtubule formation and/or stabilization at the spindle pole during chromosome segregation. The encoded protein is found at the centrosome in interphase cells and at the spindle poles in mitosis. This gene may play a role in tumor development and progression. A processed pseudogene of this gene has been found on chromosome 1, and an unprocessed pseudogene has been found on chromosome 10. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
<b>Molecular Mass</b>	70.07 kDa
<b>AA Sequence</b>	MDRSKENCIS GPVKATAPVG GPKRVLVTQQ FPCQNPLPVN SGQAQRVLCPL SNSSQRVPLQ AQKLVSSHKP VQNQKQKQLQ ATSVPHPVSR PLNNTQKSKQ PLPSAPENNP EEELASKQKN EESKKRQWAL EDFEIGRPLG KGKFGNVYLA REKQSKFILA LKVLFKAQLE KAGVEHQLRR EVEIQSHLRH PIILRLYGYF HDATRVYLIL EYAPLGTVYR ELQKLSKFDE QRTATYITEL ANALSYCHSK

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RVIHRDIKPE NLLLSGAGEL KIADFGWSVH APSSRRTTLC GTLDYLPPEM  
 IEGRMHDEKV DLWSLGVLCY EFLVGKPPFE ANTYQETYKR ISRVEFTFPD  
 FVTEGARDLI SRLKHNPSQ RPMLREVLEH PWITANSSKP SNCQNKESAS KQS

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

[AURKA](#) *aurora kinase A [ Homo sapiens ]*

**Official Symbol**

[AURKA](#)

**Synonyms**

AURKA; aurora kinase A; serine/threonine kinase 6 , serine/threonine kinase 15 ,  
 STK6, STK15; ARK1; AurA; BTAK; PPP1R47; protein phosphatase 1; regulatory  
 subunit 47; STK7; ARK-1; hARK1; aurora 2; IPL1-related kinase; aurora-related  
 kinase 1; aurora/IPL1-like kinase; serine/threonine kinase 6; aurora/IPL1-related  
 kinase 1; breast tumor-amplified kinase; breast-tumor-amplified kinase;  
 serine/threonine-protein kinase 6; serine/threonine protein kinase 15;  
 serine/threonine-protein kinase 15; serine/threonine-protein kinase aurora-A; protein  
 phosphatase 1, regulatory subunit 47; AIK; AURA; STK6; STK15; AURORA2;  
 MGC34538

**Gene ID**

[6790](#)

**mRNA Refseq**

[NM\\_003600](#)

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**Protein Refseq** [NP\\_003591](#)

**MIM** [603072](#)

**UniProt ID** [O14965](#)

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