

Recombinant Human AURKA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AURKA-1455H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

AURKA MS Standard C13 and N15-labeled recombinant protein (NP_940836) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

45.8 kDa

AA Sequence

MDRSKENCISGPVKATAPVGGPKRVLVTQQFPCQNPLPVNSGQAQRVLCPSNSSQ
RVPLQAQKLVSSHKPVQNQKQKQLQATSVPHPVSRPLNNTQKSKQPLPSAPENNP
EEELASKQKNEESKKRQWALED FEIGRPLGKGKFGNVYLAREKQSKFILALKVLFKA
QLEKAGVEHQLRREVEIQSHLRHPNILRLYGYFHDATRVYLILEYAPLGTVYRELQKL
SKFDEQRTATYITELANALSYCHSKRVIHRDIKPENLLLGSAGELKIADFGWSVHAPS

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SRRTTLCGTLDYLPPEMIEGRMHDEKVDLWSLGVLCYEFLVGKPPFEANTYQETYK
 RISRVEFTFPDFVTEGARDLISRLLKHNPQRPMLEHVLEHPWITANSSKPSNCQNK
 ESASKQSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [AURKA aurora kinase A \[Homo sapiens \(human\) \]](#)

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;

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Gene ID 6790

mRNA Refseq NM_198434

Protein Refseq NP_940836

MIM 603072

UniProt ID O14965

SDS-PAGE



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