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 EEELASKQKNEESKKRQWALEDFEIGRPLGKGKFGNVYLAREKQSKFILALKVLFKA QLEKAGVEHQLRREVEIQSHLRHPNILRLYGYFHDATRVYLILEYAPLGTVYRELQKL SKFDEQRTATYITELANALSYCHSKRVIHRDIKPENLLLGSAGELKIADFGWSVHAPS

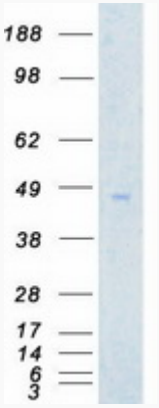
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	SRRTTLCGTLDYLPPEMIEGRMHDEKVDLWSLGVLCYEFLVGKPPFEANTYQETYK RISRVEFTFPDFVTEGARDLISRLLKHNPSQRPMLREVLEHPWITANSSKPSNCQNK ESASKQSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months 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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