

Recombinant Full Length Human AURKA Protein, C-Flag-tagged

Cat. No. AURKA-47HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human AURKA Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	45.6 kDa
AA Sequence	MDRSKENCISGPVKATAPVGGPKRVLVTQQFPCQNPLPVNSGQAQRVLCPSNSSQ RVPLQAQKLVSSHKP VQNQKQKQLQATSVPHVSRPLNNTQKSKQPLPSAPENNP EEELASKQKNEESKKRQWALEDFEIGRPLG KGKFGNVYLAREKQSKFILALKVLFKA QLEKAGVEHQLRREVEIQSHLRHPNILRLYGYFHDATRVYLIL EYAPLGTVYRELQKL

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SKFDEQRTATYITELANALSYCHSKRVIHRDIKPENLLLGSAGELKIADFGWSVH APS
 SRRTTLCGTLDYLPPEMIEGRMHDEKVDLWSLGVLCYEFLVGKPPFEANTYQETYS
 RISRVEFTFPD
 FVTEGARDLISRLKHNPSQRPMLREVLEHPWITANSSKPSNCQNKESASKQSTRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase, Stem cell - Pluripotency
Protein Pathways	Oocyte meiosis
Full Length	Full L.

GENE INFORMATION

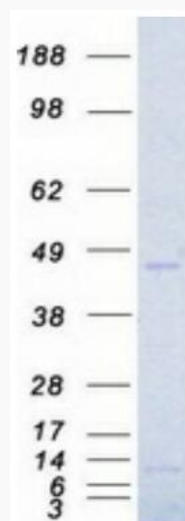
Gene Name	AURKA aurora kinase A [Homo sapiens (human)]
Official Symbol	AURKA
Synonyms	AIK; ARK1; AURA; BTAK; STK6; STK7; STK15; PPP1R47

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Gene ID	6790
mRNA Refseq	NM_198433.3
Protein Refseq	NP_940835.1
MIM	603072
UniProt ID	O14965



Coomassie blue staining of purified AURKA protein.