

## Product datasheet for PH306572

### Aurora A (AURKA) (NM\_198436) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AURKA MS Standard C13 and N15-labeled recombinant protein (NP_940838)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206572
Predicted MW:	45.8 kDa
Protein Sequence:	>RC206572 protein sequence Red=Cloning site Green=Tags(s)
	MDRSKENCISGPVKATAPVGGPKRVLVTQQFPCQNPLPVNSGQAQRVLCPSNSSQVRVPLQAQKLVSSHKP VQNQKQKQLQATSVPHVSRPLNNTQKSKQPLPSAPENNPEEELASKQKNEESKKRQWALEDFEIGRPLG KGKFGNVYLAREKQSKFILALKVLFKAQLEKAGVEHQLRREVEIQSHLRHPNILLRLYGYFHDATRVYLIL EYAPLGTVYRELQKLSKFDEQRTATYITELANALSYCHSKRVIHRDIKPENLLLGSAGELKIADFGWSVH APSSRRTTLCGTLDYLPPEMIEGRMHDEKVDLWSLGVLCYEFLVGKPPFEANTYQETYKRISRVEFTFPD FVTEGARDLISRLLKHNPSQRPMLREVLEHPWITANSSKPSNCQNKESASKQS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_940838</a>
RefSeq Size:	2231
RefSeq ORF:	1209
Synonyms:	AIK; ARK1; AURA; BTAK; PPP1R47; STK6; STK7; STK15
Locus ID:	6790



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UniProt ID: [O14965](#)

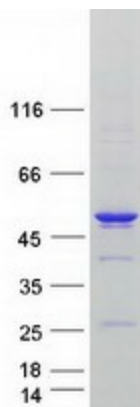
Cytogenetics: 20q13.2

**Summary:** 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]

**Protein Families:** Druggable Genome, Protein Kinase, Stem cell - Pluripotency

**Protein Pathways:** Oocyte meiosis

### Product images:



Coomassie blue staining of purified AURKA protein (Cat# [TP306572]). The protein was produced from HEK293T cells transfected with AURKA cDNA clone (Cat# [RC206572]) using MegaTran 2.0 (Cat# [TT210002]).