

Product datasheet for PH312018

Aurora A (AURKA) (NM_198433) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AURKA MS Standard C13 and N15-labeled recombinant protein (NP_940835)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212018
Predicted MW:	45.6 kDa
Protein Sequence:	>RC212018 representing NM_198433 Red=Cloning site Green=Tags(s) MDRSKENCISGPVKATAPVGGPKRVLVTQQFPCQNPLPVNSGQAQRVLCPSNSSQRVPLQAQKLVSSHKP VQNQKQKQLQATSVPHVSRPLNNTQKSKQPLPSAPENNPEEELASKQKNEESKKRQWALEDFEIGRPLG KGKFGNVYLAREKQSKFILALKVLFKAQLEKAGVEHQLRREVEIQSHLRHPNILLRLYGYFHDATRVYLL EYAPLGTVYRELQKLSKFDEQRTATYITELANALSYCHSKRVIHRDIKPENLLLGSAGELKIADFGWSVH APSSRRTTLCGTLDYLPPEMIEGRMHDEKVDLWSLGVLCYEFVGVKPPFEANTYQETYKRISRVEFTFPD 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_940835</u>
RefSeq Size:	2554
RefSeq ORF:	1209
Synonyms:	AIK; ARK1; AURA; BTAK; PPP1R47; STK6; STK7; STK15
Locus ID:	6790



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UniProt ID: [O14965](#)

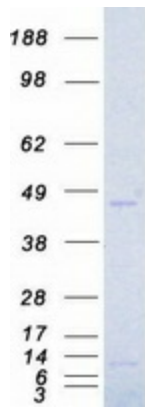
Cytogenetics: 20q13.2

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# [TP312018]). The protein was produced from HEK293T cells transfected with AURKA cDNA clone (Cat# [RC212018]) using MegaTran 2.0 (Cat# [TT210002]).