

## Product datasheet for TP316513

### Aurora A (AURKA) (NM\_198434) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human aurora kinase A (AURKA), transcript variant 3, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC216513 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MDRSKENCISGPVKATAPVGGPKRVLVTQQFPCQNPLPVNSGQAQRVLCPSNSSQRVPLQAQKLVSSHKP  
VQNQKQKQLQATSVPHVSRPLNNTQKSKQPLPSAPENNP EEELASKQKNEESKKRQWALEDFEIGRPLG  
KKGKFGNVYLAREKQSKFILALKVLFKAQLEKAGVEHQLRREVEIQSHLRHPNLRLYGYFHDATRVYLIL  
EYAPLGTVYRELQKLSKFDEQRTATYITELANALSYCHSKRVIHRDIKPENLLLGSAGELKIADFGWSVH  
APSSRRTTLCGTLDYLPPEMIEGRMHDEKVDLWLSGLVLCYEFVKGKPPFEANTYQETYKRISRVFTFPD  
FVTEGARDLISRLKHNPSQRPMLREVLEHPWITANSSKPSNCQNKESASKQS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 45.6 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_940836](#)

**Locus ID:** 6790



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UniProt ID: [Q14965](#)

RefSeq Size: 2245

Cytogenetics: 20q13.2

RefSeq ORF: 1209

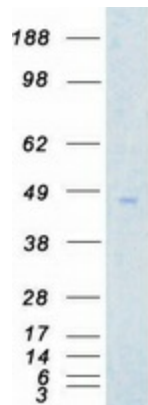
Synonyms: AIK; ARK1; AURA; BTAK; PPP1R47; STK6; STK7; STK15

**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# TP316513). The protein was produced from HEK293T cells transfected with AURKA cDNA clone (Cat# [RC216513]) using MegaTran 2.0 (Cat# [TT210002]).