

Product datasheet for **TP306572**

Aurora A (AURKA) (NM_198436) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human aurora kinase A (AURKA), transcript variant 5, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC206572 protein sequence
Red=Cloning site **Green**=Tags(s)

MDRSKENCISGPKATAPVGGPKRVLVTQQFPCQNPLPVNSGQAQRVLCPSNSSQRVPLQAQKLVSSHKP
VQNQKQKQLQATSVPHVSRPLNNTQKSKQPLPSAPENNP EEELASKQKNEESKKRQWALEDFEIGRPLG
KKGKFGNVYLAREKQSKFILALKVLFKAQLEKAGVEHQLRREVEIQSHLRHPNLRLYGYFHDATRVYLIL
EYAPLGTVYRELQKLSKFDEQRTATYITELANALSYCHSKRVIHRDIKPENLLLGSAGELKIADFGWSVH
APSSRRTTLCGTLDYLPPEMIEGRMHDEKVDLWLSGLVLCYEFLVGKPPFEANTYQETYKRISRVFTFPD
FVTEGARDLISRLLKHNPSPQRMLREVLEHPWITANSSKPSNCQNKESASKQS

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_940838](#)

Locus ID: 6790



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UniProt ID: [Q14965](#)

RefSeq Size: 2231

Cytogenetics: 20q13.2

RefSeq ORF: 1209

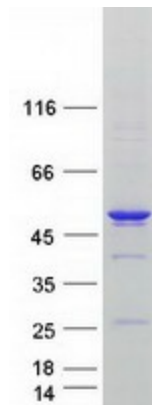
Synonyms: AIK; ARK1; AURA; BTAK; PPP1R47; STK6; STK7; STK15

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