

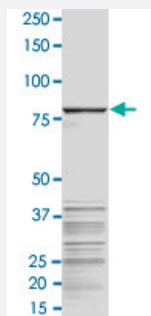
Bioactive

Full-Length

# AURKA (Human) Recombinant Protein

Catalog # P4651      Size 100 ug

## Applications



## Result of activity analysis

Result of activity analysis

## Specification

|                             |                                                                                                                     |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Human AURKA (NM_003600, 1 a.a. - 403 a.a.) full-length recombinant protein with GST-His tag expressed in Sf9 cells. |
| <b>Host</b>                 | insect                                                                                                              |
| <b>Theoretical MW (kDa)</b> | 76.334.                                                                                                             |
| <b>Form</b>                 | Liquid                                                                                                              |
| <b>Preparation Method</b>   | Insect cell (Sf9) expression system                                                                                 |
| <b>Purification</b>         | One-step affinity purification using GSH-agarose                                                                    |
| <b>Concentration</b>        | 0.245 ug/uL                                                                                                         |

|                         |                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------|
| Activity                | 129 pmol/ug x min                                                                           |
| Quality Control Testing | 2 ug/lane SDS-PAGE Stained with Coomassie Blue                                              |
| Storage Buffer          | In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0. (5 mM DTT, 15 mM reduced glutathione, 20% glycerol) |
| Storage Instruction     | Store at -80°C.<br>Aliquot to avoid repeated freezing and thawing                           |
| Note                    | Result of activity analysis<br>Result of activity analysis                                  |

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — AURKA

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">6790</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protein Accession# | <a href="#">NM_003600</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Name          | AURKA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias         | AIK, ARK1, AURA, AURORA2, BTAK, MGC34538, STK15, STK6, STK7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Description   | aurora kinase A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Omim ID            | <a href="#">114500 603072</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene 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] |
| Other Designations | IPL1-related kinase OTTHUMP00000031340 OTTHUMP00000031342 OTTHUMP00000031343 OTTHUMP00000031344 OTTHUMP00000031345 OTTHUMP00000166071 aurora-A aurora-related kinase 1 aurora/IPL1-like kinase breast-tumor-amplified kinase serine/threonine kinase 15 serine/                                                                                                                                                                                                                                                                                                                                                      |

## Disease

- [Adenocarcinoma](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chromosome Aberrations](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Head and Neck Neoplasms](#)
- [Kidney Neoplasms](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Mouth Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)

- [Pancreatic Neoplasms](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Werner syndrome](#)