

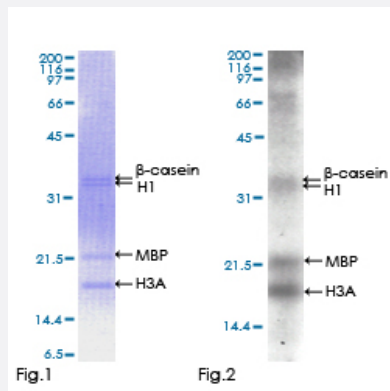
Full-Length

AURKA (Human) Recombinant Protein (P01)

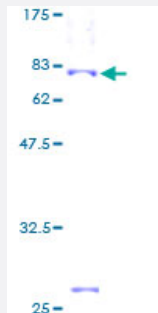
Catalog # H00006790-P01

Size 25 ug, 10 ug

Applications



Kinase Assay



Specification

Product Description

Human AURKA full-length ORF (AAH01280, 1 a.a. - 403 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDRSKENCISGPVKATAPVGGPKRVLVTQQFPCQNPLPVNSGQAQRVLCPSNSSQRVPLQAQK
LVSSHKPVQNQKQKQLQATSVPHVSRPLNNTQKSKQPLPSAPENNPEEELASKQKNEESKKR
QWALEDIFEIGRPLGKGFKNVYLAREKQSKFILALKVLFKAQLEKAGVEHQLRREVEIQSHLRHPH
LRLYGYFHDAITRVYLILEYAPLGTVYRELQKLSKFDEQRTATYTETELANALSYCHSKRVIHRDIKPENL
LLGSAGELKIADFGWSVHAPSSRRITLCGLDYLPEMIEGRMHDEKVDLWSLGVLCYEFLVGKP
PFEANTYQETKYKRISRVETFPDFVTEGARDLISRLLKHNPSSQRPMLREVLEHPWITANSSKPSNC
QNKESASKQS

Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	70.07
Interspecies Antigen Sequence	Mouse (82); Rat (83)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Kinase Assay

[Protocol Download](#)

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AURKA

Entrez GeneID	6790
GeneBank Accession#	BC001280
Protein Accession#	AAH01280
Gene Name	AURKA
Gene Alias	AIK, ARK1, AURA, AURORA2, BTAK, MGC34538, STK15, STK6, STK7

Gene Description	aurora kinase A
Omim ID	114500 603072
Gene Ontology	Hyperlink
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](#)
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- [Mouth Neoplasms](#)
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- [Werner syndrome](#)