

Full-Length

AURKB (Human) Recombinant Protein (P01)

Catalog # H00009212-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AURKB full-length ORF (AAH09751.1, 1 a.a. - 344 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAQKENSYPWPYGRQTAPSGSLSTLPQRVLRKEPVTPSALVLMRSRNVQPTAAPGQKVMENSSG
TPDILTRHFTIDDFEIGRPLGKGKFGNVYLAREKKSHFVALKVLFKSQIEKEGVEHQLRREIEIQAHL
HHPNILRLYNYFYDRRRYLILEYAPRGELYKELQKSCTFDEQRTATIMEELADALMYCHGKKVIHRDI
KPENLLLGLKGELKIADFGWSVHAPSLRRKTMCGTLDYLPPEMIEGRMHNEKVLDLWCIGVLCYEL
LVGNPPFESASHNETYRRIVKVDLKFASVPMGAQDLISKLLRHNP SERLPLAQVSAHPWVRANS
RRVLPPSALQSVA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.47

Interspecies Antigen Sequence

Mouse (83); Rat (84)

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

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

Gene Info — AURKB

Entrez GeneID[9212](#)**GeneBank Accession#**[BC009751](#)**Protein Accession#**[AAH09751.1](#)**Gene Name**

AURKB

Gene Alias

AIK2, AIM-1, AIM1, ARK2, AurB, IPL1, STK12, STK5

Gene Description

aurora kinase B

Omim ID[604970](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Chromosomal segregation during mitosis as well as meiosis is regulated by kinases and phosphatases. The Aurora kinases associate with microtubules during chromosome movement and segregation. Aurora kinase B localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers, and Aurora kinase A (MIM 603072) localizes to centrosomes (Lampson et al., 2004 [PubMed 14767480]).[supplied by OMIM]

Other Designations

aurora-1|aurora-B|serine/threonine kinase 12

Disease

- [Brain Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)