

Product information



Aurora Kinase B, 1- 344 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0394

Synonyms: Serine/threonine-protein kinase 12, Aurora-B, AIK2, AIM1, ARK2, AurB, aurkb-sv1, aurkb-sv2, IPL1, STK12

NCBI Accession No.: NP_004208

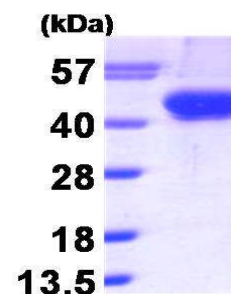
Description: Aurora Kinase B is a member of a family of mitotic serine/threonine kinases. Aurora Kinase B associates with chromosomes during prophase prior to relocalizing to the spindle at anaphase. Aurora Kinase B regulates chromosome segregation through the control of microtubule-kinetochore attachment and cytokinesis. Expression of Aurora Kinase B during the G2/M phase transition is tightly coordinated with histone H3 phosphorylation, while overexpression in many kinds of cancers. Recombinant human Aurora Kinase B, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 0.5mM DTT, 20% glycerol, 0.1mM EDTA, 0.1mM EGTA, 0.1M NaCl, 0.1mM PMSF

Molecular Weight: 41.4 kDa (364aa)

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MAQKENSYPW PYGRQTAPSG LSTLPQRLR KEPVTPSALV LMSRSNVQPT AAPGQKVMEN SSGTPDILTR
HFTIDDFEIG RPLGKGFN VYLAREKKSH FIVALKVLFK SQIEKEGVEH QLRREIEIQA HLHHPNLLRL YNYFYDRRRI YLILEYAPRG
ELYKELQKSC TFEQRTATI MEELADALMY CHGKQVIHRD IKPENLLLGL KGELKIADFG WSVHAPSLRR KTMCGTLDYL PPEMIEGRMH
NEKVDLWCIG VLCYELLVGN PPFESASHNE TYRRIKVDL KFPASVPMGA QDLISKLLRH NPSERLPLAQ VSAHPWVRAN SRRVLPPSAL
QSVL

General references:

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Chen J., *et al.* (2003) *J Biol Chem.* 278(1):486-90.

Zeitlin SG., *et al.* (2001) *Cell Biol.* 155(7):1147-57.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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