

Product information



Aurora kinase A, 1-403aa

Cat. No. IBATGP0343

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

Full name: Serine/threonine-protein kinase 6

NCBI Accession No.: NP_003591

Synonyms: Aurora-A, AIK, ARK1, AURA, BTAK, STK15, STK6

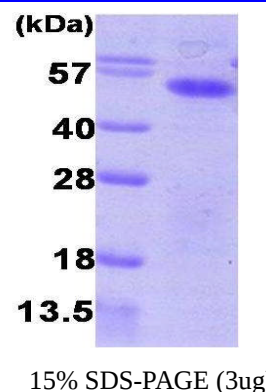
Description: Aurora Kinase A is a member of a family of mitotic serine/threonine kinases. It is implicated with important processes during mitosis and meiosis whose proper function is integral for healthy cell proliferation. Aurora kinase A is highly expressed in testis and weakly in skeletal muscle, thymus and spleen. Also this protein plays a crucial role in tumourigenesis and is overexpressed in many kinds of cancers. Recombinant human Aurora-A fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.5mM DTT, 100mM NaCl, 0.1mM EDTA, 0.1mM EGTA, 0.1mM PMSF, 20% glycerol

Molecular Weight: 47.9 kDa (423aa)

Purity: > 95% by SDS - PAGE

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



Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MDRSKENCIS GPKATAPVG GPKRVLVTQQ FPCQNPLPVN SGQAQRVLCV SNSSQRIPLQ AQKLVSSHKP
VQNQKQKQLQ ATSVPHVPSR PLNNTQSKSQ PLPSAPENNP EEELASKQKN EESKKRQWAL EDFEIGRPLG KGKFGNVYLA REKQSKFILA
LKVLFKAQLE KAGVEHQLRR EVEIQSHLRH PNILRLYGYF HDATRVYLIL EYAPLGTVYR ELQKLSKFDE QRTATYITEL ANALSYCHSK
RVIHRDIKPE NLLLGSAGEL KIADFGWSVH APSSRRITLC GTLDYLPPEM IEGRMHDEKV DLWSLGVLGY EFLVGKPPFE ANTYQETYKR
ISRVEFTFPD FVTEGARDLI SRLLKHNPQS RPMLREVLEH PWITANSSKP SNCQNKESAS KQS

General references:

Tchatchou S., *et al.* (2007). *Cancer lett.* **247**(2): 266-72

Chen SS., *et al.* (2002). *EMBO J.* **21**(17): 4491-9

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.

Product information



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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