

Product datasheet for **AR09224PU-N**

Aurora kinase A (1-403, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Aurora kinase A (1-403, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MDRSKENCIS GPVKATAPVG GPKRVLVTQQ FPCQNPLPVN SGQAQRVLCPLP SSSQRIPLQ AQKLVSSHKP VQNQKQKQLQ ATSVPHVPSR PLNNTQKSKQ PLPSAPENNP EEELASKQKN EESKKRQWAL EDFEIGRPLG KGKFGNVYLA REKQSKFILA LKVLFKAQLE KAGVEHQLRR EVEIQSHLRH PNILRLYGYF HDATRVYLIL EYAPLGTVYR ELQKLSKFDE QRTATYITEL ANALSYCHSK RVIHRDIKPE NLLLSGAGEL KIADFGWSVH APSSRRTTLC GTLDYLPPEM IEGRMHDEKV DLWSLGVLCY EFLVGKPPFE ANTYQETYKR ISRVEFTFPD FVTEGARDLI SRLKHNPSQ RPMLREVLEH PWITANSSKP SNCQNKESAS KQS
Tag:	His-tag
Predicted MW:	47.9 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.5 mM DTT, 100 mM NaCl, 0.1 mM EDTA, 0.1 mM EGTA, 0.1 mM PMSF, 20% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human Aurora-A fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001310232</u>
Locus ID:	6790
UniProt ID:	<u>O14965</u>



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Cytogenetics: 20q13.2

Synonyms: AURKA, AIK1, ARK1, AURA, BTAK, STK15, STK6, Aurora/IPL1-related kinase 1, AURORA2

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, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase, Stem cell - Pluripotency

Protein Pathways: Oocyte meiosis

Product images:

