

Product datasheet for **RC215418**

Aurora C (AURKC) (NM_001015879) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aurora C (AURKC) (NM_001015879) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aurora C
Synonyms:	AIE2; AIK3; ARK3; AurC; aurora-C; HEL-S-90; SPGF5; STK13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215418 representing NM_001015879 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACAGCAAACCAACAGCCAGCAGCCAGCAGCCAGCCAGCCATGCGGCGCCTCACAGTCGATGACT
TTGAAATCGGGCGTCCCCTGGGCAAGGGGAAATTTGGGAATGTGTACCTGGCTCGGCTCAAGGAAAGCCA
TTTCATTGTGGCCCTGAAGTTCTCTTCAAGTCGCAGATAGAGAAGGAAGGACTGGAGCACCAGCTGCGC
CGGGAAATTGAGATCCAGGCTCATCTACAACACCCCAATATCCTGCGCCTGTATAACTATTTCCATGATG
CACGCCGGGTGTACCTGATTCTGGAATATGCTCCAAGGGGTGAGCTCTACAAGGAGCTGCAGAAAAGCGA
GAAATTAGATGAACAGCGCACAGCCACGATAATAGAGGAGTTGGCAGATGCCCTGACCTACTGCCATGAC
AAGAAAAGTGATTCACAGAGATATTAAGCCAGAGAACCTGCTGCTGGGGTTCAGGGGTGAGGTGAAGATTG
CAGATTTTGGCTGGTCTGTGCACACCCCTCCCTGAGGAGGAAGACAATGTGTGGGACACTGGACTACTT
GCCGCCAGAAATGATTGAGGGGAGAACATATGATGAAAAGGTGGATTTGTGGTGCATTGGAGTGCTCTGC
TATGAGCTGTGGTGGGATATCCACCTTTGAGAGCGCTCCACAGTGAGACTTACAGACGCATCCTCA
AGGTAGATGTGAGGTTTCCACTATCAATGCCTCTGGGGCCCGGGACTTGATTTCCAGGCTTCTCAGATA
CCAGCCCTTGAGAGACTGCCCTGGCCAGATCCTGAAGCACCCCTGGGTTTCAGGCCACTCCCGAAGG
GTGCTGCCTCCCTGTGCTCAGATGGCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001015879.2](#)

RefSeq Size: 1120 bp

RefSeq ORF: 873 bp

Locus ID: 6795

UniProt ID: [Q9UQB9](#)

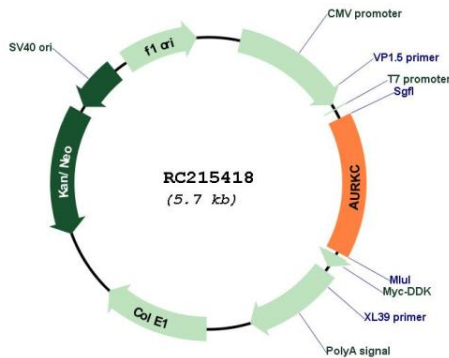
Cytogenetics: 19q13.43

Protein Families: Druggable Genome, Protein Kinase

MW: 33.5 kDa

Gene Summary: This gene encodes a member of the Aurora subfamily of serine/threonine protein kinases. The encoded protein is a chromosomal passenger protein that forms complexes with Aurora-B and inner centromere proteins and may play a role in organizing microtubules in relation to centrosome/spindle function during mitosis. This gene is overexpressed in several cancer cell lines, suggesting an involvement in oncogenic signal transduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC215418