

Product datasheet for SC302004

Aurora C (AURKC) (NM_001015879) Human Untagged Clone

Product data:

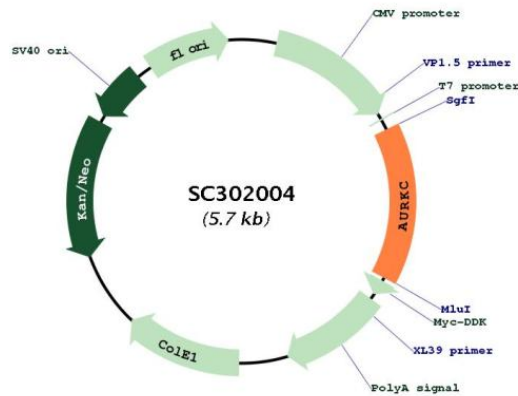
Product Type:	Expression Plasmids
Product Name:	Aurora C (AURKC) (NM_001015879) Human Untagged Clone
Tag:	Tag Free
Symbol:	AURKC
Synonyms:	AIE2; AIK3; ARK3; AurC; aurora-C; HEL-S-90; SPGF5; STK13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302004 representing NM_001015879. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTACAGCAAACCAACAGCCAGCCAGCCAGCCAGCCAGCCATGCGGCGCCTCACAGTCGATGAC
TTTGAAATCGGGCGTCCCCTGGGCAAGGGGAAATTTGGGAATGTGTACCTGGCTCGGCTCAAGGAAAGC
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CGCCGGGAAATTGAGATCCAGGCTCATCTACAACACCCCAATATCCTGCGCCTGTATAACTATTTCCAT
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CGCATCCTCAAGGTAGATGTGAGGTTTCCACTATCAATGCCTCTGGGGCCCGGGACTTGATTTCCAGG
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CACTCCCGAAGGGTGTGCTCCCTGTGCTCAGATGGCTTCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001015879

Insert Size: 873 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001015879.1](#)

RefSeq Size: 1120 bp

RefSeq ORF: 873 bp

Locus ID: 6795
UniProt ID: [Q9UQB9](#)
Cytogenetics: 19q13.43
Protein Families: Druggable Genome, Protein Kinase
MW: 33.7 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]
Transcript Variant: This variant (2), also known as Aurora C-SV, uses an alternate splice site at the 5' end of the first intron and an alternate upstream translation initiation site, compared to variant 1. The encoded protein (isoform 2) contains a shorter and distinct N-terminus, compared to isoform 1.