

Product datasheet for **SC302003**

Aurora C (AURKC) (NM_001015878) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aurora C (AURKC) (NM_001015878) Human Untagged Clone
Tag: Tag Free
Symbol: AURKC
Synonyms: AIE2; AIK3; ARK3; AurC; aurora-C; HEL-S-90; SPGF5; STK13
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001015878 edited
 ATGAGCTCCCCAGAGCTGTGGTGCAGCTGGGCAAAGCTCAACCTGCAGGCGAAGAGTTG
 GCTACAGCAAACCAACAGCCAGCAGCCAGCAGCCAGCCAGCCATGCGGCGCCTCACAGTC
 GATGACTTTGAAATCGGGCGTCCCTGGGCAAGGGGAAATTTGGGAATGTGTACCTGGCT
 CGGCTCAAGGAAAAGCCATTTTCATTGTGGCCCTGAAGTTCTCTTCAAGTCGCAGATAGAG
 AAGGAAGGACTGGAGCACCAGCTGCGCCGGGAAATTGAGATCCAGGCTCATCTACAACAC
 CCCAATATCCTGCGCCTGTATAACTATTTCCATGATGCACGCCGGGTGTACCTGATTCTG
 GAATATGCTCCAAGGGGTGAGCTCTACAAGGAGCTGCAGAAAAGCGAGAAATTAGATGAA
 CAGCGCACAGCCACGATAATAGAGGAGTTGGCAGATGCCCTGACCTACTGCCATGACAAG
 AAAGTGATTCACAGAGATATTAAGCCAGAGAACCTGCTGCTGGGGTTCAGGGGTGAGGTG
 AAGATTGCAGATTTTGGCTGGTCTGTGCACACCCCTCCCTGAGGAGGAAGACAATGTGT
 GGGACACTGGACTACTTGCCGCCAGAAATGATTGAGGGGAGAACATATGATGAAAAGGTG
 GATTTGTGGTGCATTGGAGTGCTGTGCTATGAGCTGCTGGTGGGATATCCACCCTTTGAG
 AGCGCCTCCCACAGTGAGACTTACAGACGCATCCTCAAGGTAGATGTGAGGTTTCCACTA
 TCAATGCCTCTGGGGGCCGGGACTTGATTTCCAGGCTTCTCAGATACCAGCCCTTGGAG
 AGACTGCCCTGGCCAGATCCTGAAGCACCCCTGGGTTCCAGGCCACTCCCGAAGGGTG
 CTGCCTCCCTGTGCTCAGATGGCTTCTGAGCCCTGTCTGCCTCTGTTCCCTTTGTGTGT
 GTTCAGGGAGCTCTCCTGGCTCTGCCACCTCATTTGTCTTTATTTTTTCTCTTTAAGA
 TGTAAAGATGCTAATTAATAAAAGCTGAATCATTTACACCAGCAAAAAAAAAAAAAAAAAAA
 ACTCGACTCTAGATTGCGGCCGGGTCTAGCTGTTTCCTGAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001015878 unedited</p> <pre>CGCCAGCATTTGTATACGACTACTATAGGCGGCCGNAATTCGCACGAGGATGAGCTC CCCCANAGCTGTGGTGCAGCTGGGCAAAGCTCAACCTGCAGGCGAAGAGTTGGCTACAGC AAACCAAACAGCCAGCAGCCAGCAGCCAGCCATGCGGCGCCTCACAGTCGATGACTT TGAAATCGGGCGTCCCCTGGGCAAGGGGAAATTTGGGAATGTGTACCTGGCTCGGCTCAA GGAAAGCCATTTTCATTGTGGCCCTGAAGGTTCTCTTCAAGTCGCAGATAGAGAAGGAAGG ACTGGAGCACAGCTGCGCCGGGAAATGAGATCCAGGCTCATCTACAACACCCCAATAT CCTGCGCCTGTATAACTATTTCCATGATGCACGCGGGGTACCTGATTCTGGAATATGC TCCAAGGGGTGAGCTCTACAAGGAGCTGCAGAAAAGCGAGAAATTAGATGAACAGCGCAC AGCCACGATAATAGAGGAGTTGGCAGATGCCCTGACCTACTGCCATGACAAGAAAGTGAT TCACAGAGATATTAAGCCAGAGAACCTGCTGCTGGGGTTCAGGGGTGAGGTGAAGATTGC AGATTTTGGCTGGTCTGTGCACACCCCTCCCTGAGGAGGAAGACAATGTGTGGGACACT GGACTACTTGCCGCCAGAAATGATTGAGGGGAGAACATATGATGAAAAGGTGGATTTGTG GTGCATTGGAGTCTCTGCTATGAGCTGCTGGTGGGATATCCACCCTTTGAGAGCGCCTC CCACAGTGAGACTTACAGACGCATCCTCAAGG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001015878 unedited</p> <pre>CCATCGGGGATGGCACTTCCGGGNCAGNGAGCACTGGGGNNGGGGTCACAGGGNTGCC ACCCGGGATCTGTTCCAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTT TTTTTTTTTTTTGCTGGTATGAAATGATTCAGCTTTTATTAATTAGCATCTTACATCTTA AAAGAGAAAAAATAAAGACAAATGAGGTGGCAGAGCCAGGAGAGCTCCCTGAACACACA CAAAGGGAACAGAGGCAGACAGGGCTCAGGAAGCCATCTGAGCACAGGGAGGCAGCACCC TTCGGGAGTGGGCTGAACCCAGGGGTGCTTCAGGATCTGGGCCAGGGGAGTCTCTCCA AGGGCTGGTATCTGAGAAGCCTGGAAATCAAGTCCCGGGCCCCAGAGGCATTGATAGTG GAAACCTCACATCTACCTTGAGGATGCGTCTGTAAGTCTCACTGTGGGAGGCGCTCTCAA AGGGTGGATATCCCACCAGCAGCTCATAGCAGAGCACTCCAATGCACCACAAATCCACCT TTTCATCATATGTTCTCCCCTCAATCATTTCTGGCGGCAAGTAGTCCAGTGTCCACACA TTGTCTTCTCCTCAGGGAGGGGTGTGCACAGACCAGCCAAAATCTGCAATCTTACCT CACCCCTGAACCCAGCAGCAGGTTCTCTGGCTTAATATCTCTGTGAATCACTTTCTTGT CATGGCAGTAGGTGAGGCATCTGCCAACTCCTCTATTATCGTGGCTGTGCGCTGTTTCAT CTAATTTCTCGCTTTTCTGCAGCTCCCTGTAAGCTCACCCCTTTGGAGCT</pre>
Restriction Sites:	Please inquire
ACCN:	NM_001015878
Insert Size:	1100 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<ol style="list-style-type: none">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:	<u>NM_001015878.1, NP_001015878.1</u>
RefSeq Size:	1261 bp
RefSeq ORF:	930 bp
Locus ID:	6795
UniProt ID:	<u>Q9UQB9</u>
Cytogenetics:	19q13.43
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>