

Product datasheet for **SC118139**

Aurora C (AURKC) (NM_003160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aurora C (AURKC) (NM_003160) Human Untagged Clone
Tag:	Tag Free
Symbol:	Aurora C
Synonyms:	AIE2; AIK3; ARK3; AurC; aurora-C; HEL-S-90; SPGF5; STK13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_003160 edited
ATGCGGCGCCTCACAGTCGATGACTTTGAAATCGGGCGTCCCCTGGGCAAGGGAAATTT
GGGAATGTGTACCTGGCTCGGCTCAAGGAAAGCCATTTTCATTGTGGCCCTGAAGTTCTC
TTCAAGTCGCAGATAGAGAAGGAAGGACTGGAGCACAGCTGCGCCGGGAAATTGAGATC
CAGGCTCATCTACAACACCCCAATATCCTGCGCCTGTATAACTATTTCCATGATGCACGC
CGGGTGTACCTGATTCTGGAATATGCTCCAAGGGTGAGCTCTACAAGGAGCTGCAGAAA
AGCGAGAAATTAGATGAACAGCGCACAGCCACGATAATAGAGGAGTTGGCAGATGCCCTG
ACCTACTGCCATGACAAGAAAGTGATTCACAGAGATATTAAGCCAGAGAACCTGTGCTG
GGGTTCCAGGGTGAGGTGAAGATTGCAGATTTTGGCTGGTCTGTGCACACCCCTCCCTG
AGGAGGAAGACAATGTGTGGGACACTGGACTACTTGCCGCCAGAAATGATTGAGGGGAGA
ACATATGATGAAAAGGTGGATTTGTGGTGCATTGGAGTGTCTGCTATGAGCTGTGGTG
GGATATCCACCCTTTGAGAGCGCCTCCCACAGTGAGACTTACAGACGCATCCTCAAGGTA
GATGTGAGGTTTCCACTATCAATGCCTCTGGGGGCCCGGACTTGATTTCCAGGCTTCTC
AGATACCAGCCCTTGAGAGACTGCCCTGGCCAGATCCTGAAGCACCCCTGGGTTTCAG
GCCCACTCCCGAAGGGTGTGCTGCCCTGTGCTCAGATGGCTTCTCTGA



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003160 unedited
TATTTTGTAAACGACTCACTATAGGGCGGCNCGCGATTCCGGCACGAGGCCAGAGCTGTG
GTGCAGCTGGGCAAAGCTCAACCTGCAGGCGAAGAGTTGGCTACAGCAAACCAACAGCC
CAGCAGCCAGCAGCCAGCCATGCGGCGCCTCACAGTCGATGACTTTGAAATCGGGCGT
CCCCTGGGCAAGGGGAAATTTGGGAATGTGTACCTGGCTCGCTCAAGGAAAGCCATTTG
ATTGTGGCCCTGAAGGTTCTCTTCAAGTCGAGATAGAGAAGGAAGGACTGGAGCACCAG
CTGCGCCGGGAAATTGAGATCCAGGCTCATCTACAACACCCCAATATCCTGCGCCTGTAT
AACTATTTCCATGATGCACGCCGGGTGTACCTGATTCTGGAATATGCTCCAAGGGTGAG
CTCTACAAGGAGCTGCAGAAAAGCGAGAAATTAGATGAACAGCGCACAGCCACGATAATA
GAGGAGTTGGCAGATGCCCTGACCTACTGCCATGACAAGAAAGTGATTACAGAGATATT
AAGCCAGAGAACCTGCTGCTGGGGTTCAGGGGTGAGGTGAAGATTGCAGATTTTGGCTGG
TCTGTGCACACCCCTCCCTGAGGAGGAAGACAATGTGTGGGACACTGGACTACTTGCCG
CCAGAAATGATTGAGNGAGAACATATGATGAAAAGGTGGATTTGTGGTGCATTGGAGTG
CTCTGCTATGAGCTGCTGGTGGGATATCCACCCTTTGAGAGCGCCTCCCACAGTGAGACT
TACAGACGCATNCTCCAGGTAGATGTGAGGTTTCCACTATCAATGCCTCTGGNGGGCCCG
GGACTTGATTTCCAGTTCTCAGAACCCCTTGAGAGACTGNCCTGGCCAGACCTG
ACCCCCCTTGGGTTGAGGCCACTCCCGAAGGTGCTGCCTCCTGNGCTCAATGCTCCTGA
GCCTGTCTGCTCTGTTCCCTGGGGGGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003160 unedited
NGGAATCTTTGGACGCGCCGCTTCTANGATCGAGTTTTTTTTTTTTTTTTTTTGGTGG
TATGAAATGATTAGCTTTTATTAATTAGCATCTTACATCTTAAAAGAGAAAAAATAAA
GACAAATGAGGTGGCAGAGCCAGGAGAGCTCCCTGAACACACAAAAGGGAACAGAGGCA
GACAGGGCTCAGGAAGCCATCTGAGCACAGGGAGGCAGCACCCCTTCGGGAGTGGGCTGA
ACCCAGGGGTGCTTCAAGATCTGGGCCAGGGGAGTCTCTCCAAGGGCTGGTATCTGAGA
AGCCTGGAAATCAAGTCCCGGGCCCCAGAGGCATTGATAGTGGAAACCTCACATCTACC
TTGAGGATGCGTCTGTAAGTCTCACTGTGGGAGGCGCTCTCAAAGGGTGGATATCCCACC
AGCAGCTCATAGCAGAGCACTCCAATGCACCACAAATCCACCTTTTTCATCATATGTTCTC
CCCTCAATCATTTCTGGCGGCAAGTAGTCCAGTGTCCACACATTGTCTTCTCCTCAGG
GAGGGGGTGTGCACAGACCAGCCAAAATCTGCAATCTTACCTCACCCCTGAACCCGAGC
AGCAGGTTCTCTGGCTTAATATCTCTGTGAATCACTTTTGTGCATGGCAGTAGTTCAGG
GCATCTGCCAACTCCTCTATTATCGTGGCTGTGCGCTGTTTCATCTAATTTCTCGTTTTT
TGACAGCTCCTGTAGAGCTCACCCCTTGGAGCATATTCCAGAATCAAGTACACCCCGGCG
TGCATCATGAAATAGTTATACAGGCGCAAGATATTGGGGTGTGTAGATGAACCTGGAT
CTCAATTTCCGGCGCAGCTGGTCTTCCAGATCCTTCTTCTATCTGCGACTTGAAGA

Restriction Sites:

NotI-NotI

ACCN:

NM_003160

Insert Size:

1110 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).

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:	NM_003160.2 , NP_003151.2
RefSeq Size:	1125 bp
RefSeq ORF:	828 bp
Locus ID:	6795
UniProt ID:	Q9UQB9
Cytogenetics:	19q13.43
Domains:	pkinese, TyrKc, S_TKc
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 (3) uses an alternate splice site at the 5' end of the first intron and an alternate downstream translation initiation site, compared to variant 1. The encoded protein (isoform 3) has a shorter N-terminus, compared to isoform 1.</p>