

Product datasheet for **SC321800**

Aurora A (AURKA) (NM_198436) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aurora A (AURKA) (NM_198436) Human Untagged Clone
Tag:	Tag Free
Symbol:	Aurora A
Synonyms:	AIK; ARK1; AURA; BTAK; PPP1R47; STK6; STK7; STK15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_198436.1
 CTTTGAATTCTAACGGCTGAGCTCTTGGAAAGACTTGGGTCTTGGGTCGCAGGGTCTCAC
 TCCATTGCCAGGCCAGAGTGCGGGGATATTTGATAAGAACTTCAGTGAAGGCCGGGCG
 CGGTGGCTCATGCCCGTAATCCCAGCATTTTCGGAGGCCGAGGCATCATGGACCGATCTA
 AAGAAACTGCATTTTCAGGACCTGTTAAGGCTACAGCTCCAGTTGGAGGTCCAAAACGTG
 TTCTCGTGACTCAGCAATTTCCCTGTGAGAATCCATTACCTGTAATAGTGCCAGGCTC
 AGCGGGTCTTGTGTCCTCAAATTCCTCCAGCGGCTTCCTTTGCAAGCACAAAAGCTTG
 TCTCCAGTCACAAGCCGGTTCAGAATCAGAAGCAGAAGCAATTGCAGGCAACCAAGTGAC
 CTCATCTGTCTCCAGGCCACTGAATAACACCCAAAAGAGCAAGCAGCCCTGCCATCGG
 CACCTGAAAAATACTCTGAGGAGAACTGGCATCAAAACAGAAAATGAAGAATCAAAAA
 AGAGGCAGTGGGCTTTGGAAGACTTTGAAATTGGTCGCCCTCTGGGTAAAGGAAAGTTTG
 GTAATGTTTATTTGGCAAGAGAAAAGCAAAGCAAGTTTATTCTGGCTCTTAAAGTGTAT
 TTAAGCTCAGCTGGAGAAAGCCGGAGTGGAGCATCAGCTCAGAAGAGAAGTAGAAATAC
 AGTCCCACCTTCGGCATCTAATATTCTTAGACTGTATGGTTATTTCCATGATGTACCA
 GAGTCTACCTAATTCTGGAATATGCACCACTTGAACAGTTTATAGAGAACTTCAGAAAC
 TTTCAAAGTTTGATGAGCAGAGAACTGCTACTTATATAACAGAATTGGCAAATGCCCTGT
 CTTACTGTCATTGAAGAGAGTTATTCATAGAGACATTAGCCAGAGAACTTACTTCTTG
 GATCAGCTGGAGAGCTTAAAAATGCAGATTTTGGGTGGTCAGTACATGCTCCATCTTCCA
 GGAGGACCACTCTCTGTGGCACCTGGACTACCTGCCCTGAAATGATTGAAGGTCCGGA
 TGCATGATGAGAAGGTGGATCTCTGGAGCCTGGAGTTCTTTGCTATGAATTTTTAGTTG
 GGAAGCCTCCTTTTGGAGCAAACACATACCAAGAGACCTACAAAAGAATATCACGGGTTG
 AATTCACATTCCTGACTTTGTAAACAGAGGGAGCCAGGGACCTCATTTCAAGACTGTTGA
 AGCATAATCCCAGCCAGAGGCCAATGCTCAGAGAAGTACTTGAACACCCCTGGATCACAG
 CAAATTCATCAAAACCATCAAATTCGCAAAAACAAGAATCAGCTAGCAAACAGTCTTAGG
 AATCGTGCAAGGGGAGAAATCCTTGAGCCAGGGCTGCCATATAACCTGACAGGAACATGC
 TACTGAAGTTTATTTTACCATTGACTGCTGCCCTCAATCTAGAACGCTACACAAGAAATA
 TTTGTTTTACTCAGCAGGTGTGCCTAACCTCCCTATTAGAAAGCTCCACATCAATAAA
 CATGACACTCTGAAGTGAAGTAGCCACGAGAATTGTGCTACTTATACTGGTTCATAATC
 TGGAGGCAAGGTTGACTGCAGCCGCCCGTCAGCCTGTGCTAGGCATGGTGTCTTACA
 GGAGGCAATCCAGAGCCTGGCTGTGGGAAAAGTACCCTCTGCCCTGACCCCGATCAG
 TTAAGGAGCTGTGCAATAACCTTCTAGTACCTGAGTGTGTGTAACCTATTGGGTTGG
 CGAAGCCTGGTAAAGCTGTTGGAATGAGTATGTGATTCTTTTTAAGTATGAAAATAAAGA
 TATATGTACAGACTTGTATTTTTCTCTGGTGGCATTCTTTAGGAATGCTGTGTGTCTG
 TCCGGCACCCCGTAGGCCTGATTGGGTTTCTAGTCTCCTTAACCACTTATCTCCATA
 TGAGAGTGTGAAAAATAGGAACACGTGCTACCTCCATTTAGGGATTTGCTTGGGATAC
 AGAAGAGGCCATGTGTCTCAGAGCTGTTAAGGGCTTATTTTTTAAAACATTGGAGTCAT
 AGCATGTGTGTAACCTTAAATATGCAAATAAATAAGTATCTATGTCAAAAAAAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_198436

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:	<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_198436.1</u> , <u>NP_940838.1</u>
RefSeq Size:	2231 bp
RefSeq ORF:	1212 bp
Locus ID:	6790
UniProt ID:	<u>O14965</u>
Cytogenetics:	20q13.2
Protein Families:	Druggable Genome, Protein Kinase, Stem cell - Pluripotency
Protein Pathways:	Oocyte meiosis
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR compared to variant 1. Variants 1-6 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>