

Product datasheet for SC309373

Aurora A (AURKA) (NM_198437) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aurora A (AURKA) (NM_198437) Human Untagged Clone
Tag:	Tag Free
Symbol:	AURKA
Synonyms:	AIK; ARK1; AURA; BTAK; PPP1R47; STK6; STK7; STK15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309373 representing NM_198437. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACCGATCTAAAGAAAAGTGCATTTTCAGGACCTGTTAAGGCTACAGCTCCAGTTGGAGGTCCAAAA
CGTGTTCGTCGACTCAGCAATTTCTTGTGCAATCCATTACCTGTAATAGTGGCCAGGCTCAGCGG
GTCTTGTGTCCTTCAAATTTCTCCAGCGCATTCTTTGCAAGCACAAAAGCTTGTCTCCAGTCACAAG
CCGTTTCAAGATCAGAAGCAGAAGCAATTCAGGCAACCAAGTGTACCTCATCCTGTCTCCAGGCCACTG
AATAACACCCAAAAGAGCAAGCAGCCCTGCCATCGGCACCTGAAAATAATCCTGAGGAGGAAGTGGCA
TCAAAACAGAAAATGAAGAATCAAAAAGAGGAGTGGGCTTTGGAAGACTTTGAAATTTGGTCCGCTT
CTGGGTAAGGAAAGTTGGTAATGTTTATTTGGCAAGAGAAAAGCAAAGCAAGTTTATTCTGGCTCTT
AAAGTGTATTTAAAGCTCAGCTGGAGAAAAGCCGGAGTGGAGCATCAGCTCAGAAGAGAAGTAGAAATA
CAGTCCCACCTTCGGCATCCTAATATTCTTAGACTGTATGGTTATTTCCATGATGCTACCAGAGTCTAC
CTAATTTGGAATATGCACCACTTGAACAGTTTATAGAGAACTTCAGAACTTTCAAAGTTTGATGAG
CAGAGAACTGCTACTTATATAACAGAATTGGCAATGCCCTGTCTACTGTCATTGCAAGAGAGTTATT
CATAGAGACATTAAGCCAGAGAAGTACTTCTTGGATCAGCTGGAGAGCTTAAAATTGCAGATTTGGG
TGGTCAGTACATGCTCCATCTCCAGGAGGACCACTCTCTGTGGCACCCTGGACTACCTGCCCTGAA
ATGATTGAAGGTCGGATGCATGATGAGAAGGTGGATCTCTGGAGCCTTGGAGTTCTTTGCTATGAATTT
TTAGTTGGGAAGCCTCCTTTTGGGCAACACATACCAAGAGACCTACAAAAGAATATCACGGGTTGAA
TTCACATTTCCCTGACTTTGTAACAGAGGGAGCCAGGGACCTCATTTCAGACTGTTGAAGCATAATCCC
AGCCAGAGGCCAATGCTCAGAGAAGTACTTGAACACCCCTGGATCACAGCAAATTCATCAAAACCATCA
AATTGCCAAAACAAGAATCAGCTAGCAAACAGTCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:	□
ACCN:	NM_198437
Insert Size:	1212 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:	<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_198437.2
RefSeq Size:	2172 bp
RefSeq ORF:	1212 bp
Locus ID:	6790
UniProt ID:	O14965
Cytogenetics:	20q13.2
Protein Families:	Druggable Genome, Protein Kinase, Stem cell - Pluripotency
Protein Pathways:	Oocyte meiosis
MW:	45.8 kDa
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 (6) differs in the 5' UTR compared to variant 1. Variants 1-9 encode the same protein.</p>