

Product datasheet for SC117526

Aurora B (AURKB) (NM_004217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aurora B (AURKB) (NM_004217) Human Untagged Clone
Tag:	Tag Free
Symbol:	Aurora B
Synonyms:	AIK2; AIM-1; AIM1; ARK-2; ARK2; AurB; aurkb-sv1; aurkb-sv2; IPL1; PPP1R48; STK-1; STK5; STK12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117526 sequence for NM_004217 edited (data generated by NextGen Sequencing)

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ATGGCCCAGAAGGAGAACTCCTACCCCTGGCCCTACGGCCGACAGACGGCTCCATCTGGC
CTGAGCACCCCTGCCAGCGAGTCCTCCGAAAGAGCCTGTACCCCCATCTGCATTGTC
CTCATGAGCCGCTCCAATGTCCAGCCACAGCTGCCCTGGCCAGAAGGTGATGGAGAAT
AGCAGTGGGACACCCGACATCTTAACGCGCACTTCACAATTGATGACTTTGAGATTGGG
CGTCTCTGGGCAAAGGCAAGTTTGAAAACGTGTACTTGCTCGGAGAGAAGAAAAGCCAT
TTCATCGTGGCGCTCAAGGTCCTCTTCAAGTCCCAGATAGAGAAGGAGGGCGTGGAGCAT
CAGCTGCGCAGAGAGATCGAAATCCAGGCCACCTGCACCATCCCAACATCCTGCGTCTC
TACAACTATTTTTATGACCGGAGGAGGATCTACTTGATTCTAGAGTATGCCCCCGGGG
GAGCTCTACAAGGAGCTGCAGAAGAGCTGCACATTTGACGAGCAGCGAACAGCCACGATC
ATGGAGGAGTTGGCAGATGCTCTAATGTACTGCCATGGGAAGAAGGTGATTCACAGAGAC
ATAAAGCCAGAAAATCTGCTCTTAGGGCTCAAGGAGAGCTGAAGATTGCTGACTTCGGC
TGGTCTGTGCATGCGCCCTCCCTGAGGAGGAAGACAATGTGTGGCACCCCTGGACTACCTG
CCCCAGAGATGATTGAGGGGCGCATGCACAATGAGAAGGTGGATCTGTGGTGCATTGGA
GTGCTTTGCTATGAGCTGCTGGTGGGAACCCACCCTTTGAGAGTGCATCACACAACGAG
ACCTATCGCCGCATCGTCAAGGTGGACCTAAAGTTCCTCGCTTCTGTGCCACGGGAGCC
CAGGACCTCATCTCAAAGTCTCAGGCATAACCCCTCGGAACGGCTGCCCTGGCCAG
GTCTCAGCCACCCCTGGGTCCGGGCCAACTCTCGGAGGGTGTGCTCCCTCTGCCCTT
CAATCTGTCGCCTGA

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Clone variation with respect to NM_004217.2
885 c=>t;893 t=>c



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004217 unedited</p> <pre>NAGGTCGAGATTTTGTAAACGACTTACTATAGGCGGCCGGAATTCGCACGGGGGGCGG CCGGGAGAGTAGCAGTGCCTTGGACCCAGCTCTCCTCCCCTTTCTCTAAGGATGGC CCAGAAGGAGAACTCCTACCCCTGGCCCTACGGCCGACAGACGGCTCCATCTGGCCTGAG CACCTGCCCCAGCGAGTCTCCGAAAAGAGCCTGTCACCCCATCTGCACTTGTCTCAT GAGCCGCTCCAATGTCCAGCCCACAGCTGCCCTGGCCAGAAGGTGATGGAGAATAGCAG TGGGACACCCGACATCTTAACGCGGCACCTCACAATTGATGACTTTGAGATTGGGCGTCC TCTGGGCAAAGGCAAGTTTGGAAACGTGTACTTGGCTCGGGAGAAGAAAAGCCATTCAT CGTGGCGCTCAAGTCTCTTCAAGTCCCAGATAGAGAAGGAGGGCGTGGAGCATCAGCT GCGCAGAGAGATCGAAATCCAGGCCACCTGCACCATCCCAACATCCTGCGTCTCTACAA CTATTTTTATGACCGGAGGAGGATCTACTTGATTCTAGAGTATGCCCCCGGGGAGCT CTACAAGGAGCTGCAGAAGAGCTGCACATTTGACGAGCAGCGAACAGCCACGATCATGGA GGAGTTGGCAGATGCTCTAATGTACTGCCATGGGAAGAAGGTGATTCACAGAGACATAAA GCCAGATAATCTGCTCTTAGGGCTCAAGGGAGAGCTGAAGATTGCTGACTTCGGTGGTC TGTGCATGCGCCCTCCCTGACGAGGAAAGACATGTGTGGCACCCCTGGACTACCTGCCCTC AGAATGATTGAGGGGCGCATGCACATGAGTAGGTGGATCTGTGGTGCATTGGAGTGCCTT GCTATGAGCTGCTGGTGGGGCACCCACN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004217 unedited</p> <pre>GTACACAGTGGCATGCCACTCCGGTATCTGTTGCAGGAAAACAGCTATGACCGCGGCC GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTACAAAAAGCTTCAGCCTTTATTAAC AAAGGAGGAGGTAGAAAACAGATAAGGGAACAGTTAGGGATCCCTTCTTCCCCTATACA TACACAGACATACAAACACACGCACCCGAGTGAATGACAGGGACCATCAGGCGACAGATT GAAGGGCAGAGGGAGGCAGCACCTCCGAGAGTTGGCCCGGACCAAGGGTGGGCTGAGA CCTGGGCCAGGGCAGCCGTTCCGAGGGGTTATGCCTGACCAGTTGGAGATGAAGTCTT GGCTCCCCTGGGCACAGAAGCGGGGAACCTTATAGTCCACCTTGACAATACGGCGATAGG TCTCGTTGTGTGATGCACTCTCAAAGGGGTGGGTTCCCCACCAGCAGCTCATAGCATAGC ACTCCAATGCACCACATATCCACCTTCTCATTGTGCATGCGCCCTCAATCATCTCTGGG GGCAGGTAGTCCAGGGTCCACACATTGTCTTCTCCTCAGGGAGGGCGCATGCACAGAC CAGCCCGAAGTCAGCATCTTACGCTCTCCCTTGAGCCCTAANACAAATTTTCTGGCTTTA TGTCTCTGAGAACACCTTCTCCCATGGCAGTACATTAGAGCATCTGCCAACTCCTCCAT GATCGTGGGCTGTTGCTGCTCGTCAAATGTGCAGCTCTTCTGCAGCTCCTTGTAAGCT CCCCGCGGGGGCATACTCTAAATCAAGTTGATCCTCCTCCCGTCATAAAATATTGTAAA ACCCAGATGTTGGGATGGTCCAAGTGGCCCTGGATTTTATCTCTCGCACAACCTGATG CCCACCCT</pre>
Restriction Sites:	Please inquire
ACCN:	NM_004217
Insert Size:	1300 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:	<u>NM_004217.1</u> , <u>NP_004208.1</u>
RefSeq Size:	1224 bp
RefSeq ORF:	1035 bp
Locus ID:	9212
UniProt ID:	<u>Q96GD4</u>
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome, Protein Kinase, Stem cell - Pluripotency
Gene Summary:	<p>This gene encodes a member of the aurora kinase subfamily of serine/threonine kinases. The genes encoding the other two members of this subfamily are located on chromosomes 19 and 20. These kinases participate in the regulation of alignment and segregation of chromosomes during mitosis and meiosis through association with microtubules. A pseudogene of this gene is located on chromosome 8. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes the predominant isoform (1). Variants 1 and 4 encode the same isoform.</p>