

Product datasheet for **RN202596**

Aurkb (NM_053749) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aurkb (NM_053749) Rat Untagged Clone
Tag: Tag Free
Symbol: Aurkb
Synonyms: Aim1; ARK-2; STK-1; Stk12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202596 representing NM_053749
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCAGAAAGAGAACGTCTACCCGTGGCCCTACGGCTCAAAGACGTCTCAATCTGGCCTGAACACCT
TGCCCCAGAGAGTCTACGGAAGGAGCCTGCCGTGACACCTGCACAGGCCCTCATGAACCGGTCCAACAG
CCAGTCCACAGCTGTCCCTGGTCAAGATTGACTGAGAACAAGGGTGCCACTGCCTTGCAAGGATCCCAG
AGCAGGCAGCCTTTCACCATTGACAACCTTGAGATTGGGCGTCCCTCTGGGCAAAGGCAAATTTGGAATG
TGTAATTTGGCTCGGGAGAAGAAAAGCCGTTTCATCGTGGCGCTAAAGATCCTCTTCAAGTCTCAGATTGA
AAAGGAGGGGGTGGAGCACCAGCTCCGCCGAGAGATCGAAATCCAGGCGCACCTGAAACATCCCAATATT
CTTCAGCTGTACAACACTTCTATGACCAGCAGAGGATCTACTTGATACTCGAATACGCCCCCGCGGAG
AGCTCTACAAGGAACTACAGAAGAGCGGAACCTTCGATGAGCAGCGGACTGCCACGATCATGGAGGAACT
GTCAGACGCGTGTACTGCCACAAGAAGAAGGTGATTCACAGAGACATAAAGCCCGAGAACCTGCTG
TTAGGTCTACAGGGAGAGCTGAAGATTGCGGACTTTGGCTGGTCTGTGCATGCCCATCCCTGAGGAGGA
AGACCATGTGCGGCACCCTGGACTATCTGCCCCAGAGATGATTGAAGGGCGGATGCATAATGAGATGGT
AGATCTGTGGTGCATTGGAGTGCTCTGCTATGAAGTGGTGGGGAACCCACCTTTGAGAGCCCTAGC
CACAGTGAGACATATCGTCGGATTGTCAAGGTAGACCTGAAGTTTCCCTCTTCTATGCCTTTGGGGCCA
AGGACCTCATCTCAAGCTGCTCAAACATAAACCCTCACAACTGCCTCTGGAGCAGGTCTCGGCTCA
CCCTTGGGTCCGGCCAACCTCACGGAGGTTCTGCCTCCCTCTGCCCTTAG

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053749



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Insert Size:	1032 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_053749.1</u> , <u>NP_446201.1</u>
RefSeq Size:	1815 bp
RefSeq ORF:	1032 bp
Locus ID:	114592
UniProt ID:	<u>O55099</u>
Cytogenetics:	10q24
Gene Summary:	kinase; involved in proper progression of cytokinesis [RGD, Feb 2006]