

## Product datasheet for MC207410

### Aurkb (NM\_011496) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aurkb (NM_011496) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aurkb
Synonyms:	Al; Aik2; AIM-1; Aim1; AIRK2; AL022959; Ark2; AurB; I; IPL1; Stk; STK-; STK-1; Stk1; Stk5; Stk12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207410 representing NM_011496 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCTCAGAAGGAGAACGCCTACCCGTGGCCCTACGGCTCAAAGACGTCTCAGTCTGGCCTGAACACGT  
TGTCACAGAGAGTCTACGGAAGGAGCCCGCCACGACATCTGCGCTTGTCTCGTGAACCGGTTCAACAG  
CCAGTCCACAGCTGCCCTGGCCAGAAGTTGGCTGAGAACAAGAGTCAGGGCTCCACTGCCTCGCAAGGA  
TCCCAGAACAAAGCAGCCTTTCACATTGACAACCTTGGAGATTGGGCGTCTTTGGGCAAAGGCAAATTTG  
GAAACGTGTACTTGGCTCGGGAGAAGAAGGCCGTTTCATCGTGGCACTCAAGATCCTCTCAAGTCTCA  
GATTGAGAAGGAGGGGTAGAGCACCAGCTTCGCCGAGAGATCGAAATCCAGGCGCACCTGAAACATCCC  
AACATCCTTCAACTCTACAACACTTCTACGACCAGCAGAGGATCTACTTAATCCTGGAATACGCCCCCTC  
GCGGGAACTCTACAAGGAAGTGCAGAAGAGTCGGACCTTCGATGAGCAGCGGACTGCCACGATCATGGA  
GGAAGTGTGAGTGCCTGACCTACTGCCACAAGAAGAAGGTAATTCACAGAGACATAAAGCCGGAGAAC  
CTGCTGTTAGGTCTGCAGGGAGAAGTGAAGATTGCAGACTTTGGCTGGTGGTGCATGCCCATCCCTGA  
GGAGGAAGACCATGTGCGGCACGCTGGACTATCTGCCCCAGAGATGATTGAGGGGCGCATGCATAATGA  
AATGGTAGATCTATGGTGCATCGGGGTGCTCTGCTATGAACTGATGGTGGGAACCCACCCTTCGAGAGC  
CCTAGCCACAGTGAACGATATCGTCGGATTGTCAAGGTGGACCTGAAGTCCCCTCTTCTGTGCCTTCGG  
GCGCCAGGACCTCATCTCCAAGCTGCTCAAACATAACCCTGGCAACGGCTGCCCTGGCGGAGGTTGC  
AGCTCACCTTGGGTCCGGGCCAACTCAAGGAGGTTCTGCCTCCCTCTGCCCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_011496



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<b>Insert Size:</b>	1038 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_011496.2</a></u> , <u><a href="#">NP_035626.1</a></u>
<b>RefSeq Size:</b>	1981 bp
<b>RefSeq ORF:</b>	1038 bp
<b>Locus ID:</b>	20877
<b>UniProt ID:</b>	<u><a href="#">O70126</a></u>
<b>Cytogenetics:</b>	11 42.32 cM
<b>Gene Summary:</b>	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 2 and 7. These kinases participate in the regulation of alignment and segregation of chromosomes during mitosis and meiosis through association with microtubules. [provided by RefSeq, Sep 2015]