

## Product datasheet for **MC218199**

### **Mak (BC050009) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mak (BC050009) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mak  
**Synonyms:** A930010O05Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >BC050009  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACCGATACACAACCATGAAGCAGCTGGGAGACGGCACGTATGGGAGTGTACTGATGGGCAAGAGCA  
ATGAGTCTGGGGAGCTGGTGGCAATCAAGAGGATGAAGAGAAAGTTCTATTCTTGGGATGAGTGTATGAA  
CTTGCGAGAAGTTAAGTCCCTGAAAAACTCAATCACCCAATGTGATTAAGTAACTAAAAGAAGTTATCAGA  
GAGAATGACCATCTTTATTTGTATTTGAATATATGAAAGAAAACCTCTATCAGCTAATGAAAGACAGAA  
ACAAACTGTTCCCTGAGTCAGTCATCAGAAATATTATGTATCAGATACTACAGGGGCTGGCATTATCCA  
TAAACACGGCTTTTTTTCACAGGGACATGAAACCTGAGAACTTGCTCTGCATGGGCCAGAGCTGGTGAAG  
ATTGCTGATTTTGGACTTGCAAGAGAATTAAGATCACAGCCACCATATACTGACTATGTGTCTACCAGAT  
GGTACCGGGCTCCTGAAGTCTTACTAAGGTCTTCGGTGTACAGCTCTCCATTGACGTGTGGGCCGTGGG  
AAGTATAATGGCCGAGTTATATACATTTAGGCCGCTTTTCCAGGGACAAGTGAAGTTGATGAGATCTTT  
AAAATCTGCCAAGTGTAGGGACTCCCAAGAAGAGTACTGGCCGGAAGGATACCAGCTTGATCCTCCA  
TGAATTCGGCTTTCCCAAGTGCATTCCCATCAACCTAAAACTCTCATTCCCAATGCCAGTAGCGAGGC  
CATCCAGCTCATGACAGAGATGCTGAACTGGGATCCAAAGAAGCGACCAACAGCAAGCCAGGCAGCTGAAA  
CACCCATATTTCCAAGTCGGTCAGTACTGGGCTCTTCTGCACACCATCTGGATACAAAACAGACTTTAC  
ACAAGCAGCTGCAGCCTCTGGAGCCAAAGCCATCTTCTCTGAACGGGATCCTAAGCCTTTGCCAAACAT  
ACTTGATCAGCCTGCCGGCAGCCCCAGCCAAAACAGGGCCACCAACCACTGCAGACCATTCAGCCACCA  
CAGAACACAGTGACTCACCCACCCCAAAGCAGCAGGGTACCAGAAAACCACCAAAACCATGTTTCCAA  
GTATCATCAAACCATCCAGTGGTGAGTAGCCAAGCCGATGCTTTAGATGACACGGACTGGTGCCTCT  
GGTAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	BC050009
<b>Insert Size:</b>	636 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="#">BC050009</a></u>
<b>RefSeq Size:</b>	6818 bp
<b>RefSeq ORF:</b>	1199 bp
<b>Locus ID:</b>	17152
<b>Cytogenetics:</b>	13 20.25 cM
<b>Gene Summary:</b>	Essential for the regulation of ciliary length and required for the long-term survival of photoreceptors. Could have an important function in sensory cells and in spermatogenesis. May participate in signaling pathways used in visual and olfactory sensory transduction. Phosphorylates FZR1 in a cell cycle-dependent manner. Plays a role in the transcriptional coactivation of AR (By similarity).[UniProtKB/Swiss-Prot Function]