

## Product datasheet for **RN212062**

### **Ak7 (NM\_001108055) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ak7 (NM_001108055) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ak7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212062 representing NM\_001108055  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTGAAGAGGAAGTTCCTGCGACGACCGAAAAAGTTCGAAAATACAGAGGGTGTTCATAAACCATC  
 TGGACACCTATAGCAGCGGAAACATAGGAAAGTTCCTAGCTAACTGTGTGCGCCGGGCTTACTGGAAGA  
 GATTGGAGAAGAGGAAGAGGAAGAGGATGAGACCAAGTCAGCGGGAGCTGCTACAGAAGCTACCACCACA  
 AAAGTGAAGGAAGGCACCTTCCAGATTGTGGGCACCTTAGCCAAGCTGGAGAGCACCAGGCCGACTTCG  
 CTGTGGAACCTACTCCCATGGCACCTCCCGGGAGGACCTGCTCGCGCTCTCTTGGAGTGTGACGTTGT  
 CGTCTATAACATCACGGAGAATGCACAGCAAGTGCAGGAAGCCTTGTGGCAGTCTCCGCACTGAGTGAA  
 GAAATCAGCCATTTTAAAAGCGAAAGATGTTCAATTTTGTGTCGACAGTGTGACATGGCGGAGATCCA  
 AACCCCTGGACCCTGATGATAGCGAGGTTCCCTTCACCGAAGAGGATTATCGGCGAAGGAAACATCACCC  
 CAACTTCCAGGACCACATCAACGCCGAAAACTAGTCCTCAAGTTTGAAAGAATGCCAAAAAGTTTGA  
 ACTTATGTAGTCGCTCAGGACTTCAGTATGGAGTGGAAAGGAGGATCTTACACGCAATTTTTAAGATGG  
 CCTGGCTCGGAGAGATTCTGCATTACCGGTGTTTGGAGACGGGAGCAATTGCATTCCAGCCATTACGCT  
 TCTTGACCTAGCAGGAGTATCCAGAAGCTCATAGACCACGTGCCTAAGCTTCACTACCTGGTGGCTGTG  
 GACGAGTCTGTCCACACCCTGGAAGACCTGGTCAAGTGCATCAGCAAAAAACCGGCCCTGGAAAAATCC  
 AGAAAGTACCCAAAGAAAATGCTTTCCTGACAAAGGACTTAACGCAAGAGCATCTGGACCAATTGCTGGT  
 CAACCTGAGGATGGAAGCCCTCTTGTGAAGGAGAAGTTAACATCCGCTGGGCCGCCAGACGGGATTC  
 GTGGAGAACATCGGCAGCATCTCAAAGAGTACAAGCAGAGCCGAGGACTGTTGCCAATCAAGATCTGCA  
 TTCTTGGTCTCCTGCTGTGGAAAAATCCAGCATCTCTGGAGAGCTGGTCAAGTACTACAACTGCACCA  
 CATCAAGATAAAGGATGTGATTTCCGAAGCCATAGCCAAACTGGAGGCGATTGTGCGACCCCAAGGATCA  
 ACGGAAGAAGAGGAAGGTGAAGAAGAGGAGGAGGAAGAGAACGTGGAGGACGCCAGGAACCTCCTTGATG  
 GCATCAAGGAAAGCATGGAGCAGAACGCAGGTCCGCTAGAAGACCAATATGTAATTTCGATTTGTAAAGA  
 AAAGCTCAATCTATGCCTTGTAAAGAACCAAGGTTACGTTTTGGATGGCTTCCAAAGACCTATGATCAA  
 GCGAAAGACCTGTTCAACCAGGAAGATGAAGAGGAAGAAGAGGAAGTCAAGGCAAAATGTTTCCCTATG  
 AATAACTAATTACACCTGAATTTGTGTCAACCTGGACGCCTCTGATGAGTTTCTGAAGGAGCGCGTGTG  
 GAACCTCCAGAGAGTGTGCGGGGAACTCACTACAGCCAGGACCGATTCTCCGGGCTCTGAGCAAC  
 TACCGGGACATCAACACAGATGACGAGACGGTCTTCAACTACTTTGATGAAATTGAAATTCACCCATAC  
 ATATTGACGTAGGAAAATTTGAAGATGCCAGAACAGGCTTGCTATCAAACAGCTCATCAAAGAGATTGG  
 GGAGCCTCGGAATTATGGCTTAACAGATGAAGAAAAGGCAGAGGTGGAGAAGAAAGCTGCAGAGGAACGC  
 CTGGCCAAGGAGGCTGCTCAGACGGCAGAACGTGAGCACAAGGAGGCCCTGGAGATGGCGGAGAAGATAG  
 CCCGCTGGGAGGAGTGGAGTAAACGGCTGGAGGAAGTGAAGCGAGAAGAGAGGGAGCTGCTGGAGGCGCA  
 GTCCATCCCCCTGAGAACTACCTGATGACCTACGTGATGCCTACCCTCATGCAGGGGCTCAATGAGTGC  
 TGCAAGGTGAGACCCGAAGACCCCGTGGATTTCTGGCCGAGTATCTCTTCAAGAACAATCCCGAAATGC  
 AGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001108055

**Insert Size:** 2175 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).

<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>NM_001108055.3, NP_001101525.2</u>
<b>RefSeq Size:</b>	2913 bp
<b>RefSeq ORF:</b>	2175 bp
<b>Locus ID:</b>	314416
<b>Cytogenetics:</b>	6q32