

## Product datasheet for MC207655

### Aen (NM\_026531) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Aen (NM\_026531) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Aen  
 Synonyms: 2700083B06Rik; lsg2011  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC207655 representing NM\_026531  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGGTGGCAGGGGAAGTCCCGAGTCTACTCAGTGTCCATCTCTCACCAGCCTGAATACCAAGGATGTGG  
 TTCGGAGAAGACACAAGAGGAGAAGCCGGCAGCACCAGCGATTTCATGGCCCGCAAGGCCTTGCTTCAGGA  
 GCAGGAGCTGTTGAGCACGGCACCAGGGCCAGGTCTCTGCCTTCTGCCTTACCATCACAGATGCCAGCG  
 GTACAGAGGCTTCGGACAGCAGGAGGCAACGTCCCAAGGCCAGGTCCGGCAGCAATGGCCTGTGCAGCA  
 AAAAGTCTGTCCCCAGAGAAGCTCCAAGACCTGGGCCCATCAAGTGTGTGGCCATTGACTGTGAGATGGT  
 GGGTACGGGCCCCCAAGGACGGGTGAGCGAGCTAGCCCGCTGCTCTGTGGTGTGAGCTACAGTGGTACGTT  
 CTCTATGACAAATACATCCGGCCTGAAATGCCATTGTGGACTATCGCACCCCGCTGGAGTGGCATCACCC  
 GCCAGCACATGCACAAGGCTATCCCTTTTCAGGTGGCCAGAAGGAGATCCTTAAGCTGTTGAAGGGCAA  
 GGTGGTGGTGGGGCAGCACTGCACAATGACTTCCAGGCCCTGAAGTACGTCCACCCTCGGAGCCAGACC  
 CGGGATACCACTTATGTCCCAAACCTGCTCAGCCAGCCAGCTCCCTTATCCGAACCTCGGTCTCTCTTA  
 AGGACCTGGCCTTGAACCTGCTGCACAAGAAGATCCAGTCCGGTCCAGGAGGAGGAGGAGGAGGAGGAGG  
 TGCCATGACAGCCATGGAGTTGTACCAGCTGGTGGAGGTGCAGTGGGAGCAGCAAGTGGCCAGCTCTGCC  
 CAGGCCCTGCTGAGGACAGGGGCCCGACAGCAGCACTGACGTGGAGCAGTACATGGACGACCAGTACT  
 GGCCCGAGGACCTGACCCAGAGCACCAGGGGCCGAGACAAATGGAGGCCAGATAGACAGGAGGGAGAGGA  
 AGGGCAGGGAGCCAGGAGTGCTCCTCC**TAG**

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_026531



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<b>Insert Size:</b>	1011 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>	<a href="#">NM_026531.4</a> , <a href="#">NP_080807.3</a>
<b>RefSeq Size:</b>	2580 bp
<b>RefSeq ORF:</b>	1011 bp
<b>Locus ID:</b>	68048
<b>UniProt ID:</b>	<a href="#">Q9CZI9</a>
<b>Cytogenetics:</b>	7 D2
<b>Gene Summary:</b>	<p>Exonuclease with activity against single- and double-stranded DNA and RNA. Mediates p53-induced apoptosis. When induced by p53 following DNA damage, digests double-stranded DNA to form single-stranded DNA and amplifies DNA damage signals, leading to enhancement of apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1 and 3 both encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>