

## Product datasheet for **RN211800**

### **Are1 (NM\_001106744) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Are1 (NM_001106744) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Are1
Synonyms:	RGD1307597
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211800 representing NM\_001106744  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTTACGTTATTGGTGAATCATAGTGTCTGTGGTTGCATTCTTTTTACAATTAAGTTCCTCTTTG  
 AGCTTGCCGCACGTGTAGTCAGCTTTCTCAGAATGAAGACCGTGAACCGGAGGGGACCGGACTATTTA  
 TGACTACGTGCGGGAAATTACCTGGATCCCCGGTCTGCAAAGTGTCTGGGATTGGAAGGACCCCTAT  
 GAGGTGGGCCACAGCATGGCCTCCGAGTGCATTTGTTCTATAAGAATGGACAGCCTTCCCTGCACACC  
 GACCTGTGGGACTGCGAGTTCACATCTCTCACGTTGAACTAGCAGTGGAAATTCAGTGACCCAGGAGGT  
 CCTCCAGGAGCCAACTTAACGTGGTGAAGGTGGCCTTCACTGTGCGCAAGGCTGGGCGCTATGAGATT  
 ACTGTGAAGCTCGGTGGATTAATGTGGCTATAGTCCCTACTACAAAATTTTTTCAGCCTGGAATGGTAG  
 TTCCTTCCAAAACAAAATTGTGTGCCATTTTTCTACTCTGGTGTGACGTGTGGGCAGCCACACTCT  
 GCAGATAGTGCCCGAGATGAGTATGACAATCCGACCAACAATTCATGTCCCTGAGAGAAGAGCACAAC  
 TACAGCCTGTCCATTCATGAGCTTGGTCCCTCAAGAAGAAGAGAATAGCGAAGTCTCATTTGAGAAGTCAG  
 TGACCTCCAACAGACAGACTTGCCAGGTGTTCTTGC GGCTCACCCCTGCATTTCCGAGGTTGCTTCCATGC  
 CTGCATTTCATACCAGAACCAACCCATCAATAATGGTGAATTTGACATCATTGTCCTTAGTGAGAATGAG  
 AAGAATATCGTTGAACGAAATGTGTCCACCTCAGGAGTGAGCATTACTTTGAGGCTTACCTTTACAATG  
 CTAACAGCTATAGCAGTGCACCATGGCATCTGCCTCCCATGCACATGAGCTTTCTCAGCGCCGGCCCTC  
 CACTGCTCTTGAAGAGGAGGAGGAAGACTCGCCCTCAGAGTGCCACACCCCTGAGAAGGTGAAGAAACCG  
 AAGAAGGTGTACTGCTATGTGTACCAAAGCAATCTCAGTGAAGGAATTTACCTGAAAATCATCCCCT  
 GGCGCCTCACACCTCCGAGTGTGCCCGGAACCAAATTTCTACACCTTGGCCCTGACCTGTTTACAA  
 GCTGCTCACATTTGGTGGTGGATGACGGCATTGAGCCTCCTGTGGAGCTCAGCTGCAAGGAGAGGAACATT  
 CTAGCAGCCACTTTCATCCGTTCTTGCACAAGAACATTGGAGGCTCCGAAACCTTTCAAGACAAGTGA  
 ACTTTTTTCAGAGAGAGCTTCGGCAGGTACATATGAAGAGACCTATTCCAAAGTCAACCTGAAGGTGAG  
 CAGACACGCCCTTGTGGAATCGTCTTTGAAGGCCACTCGGAACTTTTCCATCTCAGATTGGAGCAAGAAC  
 TTTGAAGTGGTTTTCCAGGATGAAGAAGCTTTGGATTGGGGAGGGCTCGCCGGGAATGGTTTGAGCTAA  
 TCTGCAAAGCACTGTTTGATACCACCAGTCAGCTTTCACCCGGTTCAGTGACAACAACCAAGCACTAGT  
 GCATCCTAACCTAATCGCCCGGCTCACCTGCGCTTGAAGATGTATGAGTTTGACGGGCGGCTGGTGGGC  
 AAGTGTGTTGATGAATCCTCTCTAGGAGGAGCCTACAAGCAGTTGGTCCGTGCCGTTTCACTCGGTCTT  
 TCCTGGCCCAAATCATAGGACTACGTATGCATTACAAGTACTTTGAAACAGATGACCCAGAATTCATAA  
 ATCCAAAGTATGTTTTATCCTCAACAATGACATGAGTGAGATGGAGCTGGTCTTTGCAGAAGAGAAATAC  
 AACAAATCAGGTCAACTAGATAAGATTGTAGAAGTCAAGAGTGGAGCTCAAACCCAGTCACCAATG  
 CAAATAAAACCTTCTATTTAAACTTGTGGCTCAGTACCGGCTGGCCAGTCAGGTGAAAGAGGAGGTGGA  
 GCATTTCTGAAAGGCTTGAATGAGTGGTTCCTGAGAACCTTTTGGCTATTTTTGATGAGAATGAGCTT  
 GAGCTGCTGATGTGTGGGACTGGAGACATCAGTGTGTCTGACTCAAAGCCCAGTGTAGTGGTGGGTG  
 GATCCTGGCATTTCAGAGAAAAGGTGATGAGGTGGTTTTGGACTGTGGTTCCAGTCTGACCCAGGAGGA  
 ACTGGCTCGGCTGCTTCAGTTCACAACAGGCTCTTCTCAGTCCCACCTGGAGGATTTGCTGCCCTCTGT  
 CCCTCATTTAGATTATTGCTGCTCCAACCCACAGCAGCTTCCCTACTGCACACACAGTGTTTTAAACCAAC  
 TGTGCCTCCCTACATATGACTCATATGAAGAGGTACACAGGATGCTACAGCTGGCCATCAGTGAGGGTTG  
 CGAGGGCTTTGGCATGCT**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001106744  
**Insert Size:** 2472 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_001106744.1</a></u> , <u><a href="#">NP_001100214.1</a></u>
<b>RefSeq Size:</b>	4982 bp
<b>RefSeq ORF:</b>	2472 bp
<b>Locus ID:</b>	299197
<b>Cytogenetics:</b>	6q31