

## Product datasheet for **RN211066**

### **Acvr2a (NM\_031571) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acvr2a (NM_031571) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acvr2a
Synonyms:	Acvr2; rActR-II
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211066 representing NM\_031571  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGAGCTGCTGCAAAGTTGGCGTTCCGCGTCTTTCTTATCTCTTGCTCTTCAGGTGCTATACTTGGCA  
GATCGGAACTCAGGAGTGCTTTTCTTTAATGCTAATTGGGAAAGAGACAGAACCAATCAGACTGGTGT  
TGAGCCTTGCTATGGTGATAAAGACAAACGACGACATTGTTTGTACCTGGAAGAAATTTCTGGTTCC  
ATTGAAATAGTAAAGCAAGGTTGTTGGCTGGATGATATCAACTGCTATGACAGGACTGATTGTATAGAAA  
AAAAAGACAGCCCTGAAGTGTACTTTTGTGCTGTGAGGGCAATATGTGTAATGAAAAGTTCTCTTATTT  
TCCGGAGATGGAAGTACACAGCCACATCAAATCCTGTTACCCCGAAACCACCTACTACAACATCCTG  
CTGTATTCCTTGGTACCCTTATGTTAATTGCGGGGATTGTCATTTGTGCGTTTTGGGTGTACAGACATC  
ACAAGATGGCCTACCCTCTGTACTTGTCTACTCAGGACCCTGGACCACCTCCACCTTCCCCATTACT  
AGGGTTGAAGCCATTGCAGCTATTGGAAGTGAAGCAAGGGGAAGATTTGGTTGTGCTGGAAAGCCAG  
TTGCTCAATGAGTATGTGGCTATCAAAATATTTCCGATACAGGACAAACAGTCTGGCAGAATGAATATG  
AAGTCTATAGTTTACCTGGGATGAAGCATGAAAACATACTACAGTTCATTGGTGCAGAGAAAAGAGGCAC  
CAGTGTGATGTGGACCTGTGGCTAATCACGGCTTTTCATGAAAAGGGCTCACTGTGAGACTTTCTTAAG  
GCTAATGTGGTCTCTTGGAAATGAACTTTGTGATATGCAGAAACCATGGCTAGAGGATTGGCATATTTAC  
ATGAGGATATACCTGGCTAAAAGATGGCCACAAGCCTGCAATATCTCACAGGGACATCAAAGTAAAAA  
TGTGCTGTTGAAAACAATCTGACAGCTTGCAATGCTGACTTTGGGTTGGCCTTAAAGTTTGAGGCTGGC  
AAGTCTGCAGGTGACACCCATGGCCAGGTTGGTACCCGGAGGTATATGGCTCCAGAGGTGTTAGAGGGTG  
CTATAAACTTCCAAAGGGACGCATTTCTGAGGATAGATATGTACGCCATGGGATTAGCTCTGTGGAACT  
GGCTTCTCGTTGTACTGCTGCAGATGGACCTGTAGATGAGTACATGTTGCCATTTGAGGAGGAAATTGGC  
CAGCATCCATCTCTTGAAGATATGCAGGAAGTTGTTGTGCATAAAAAAAGAGGCCCGTTTTAAGAGATT  
ATTGGCAGAAACACGCAGGAATGGCAATGCTCTGTGAAACGATAGAAGAATGCTGGGATCATGATGCAGA  
AGCCAGGTTATCAGCTGGATGTGTAGGTGAAAGAATTACTCAGATGCAAAGACTAACAAATATAATTACT  
ACAGAGGACATTGTAACAGTGGTACAATGGTGACAAATGTTGACTTTCCTCCAAAGAATCTAGTCTAT  
GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_031571

**Insert Size:** 1542 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).

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_031571.2](#), [NP\\_113759.1](#)

**RefSeq Size:** 2272 bp

**RefSeq ORF:** 1542 bp

**Locus ID:** 29263

**UniProt ID:** [P38444](#)

**Cytogenetics:** 3q12

**Gene Summary:** acts as a receptor for activin A and inhibin A [RGD, Feb 2006]