

Product datasheet for **RN211367**

Acvr2b (NM_031554) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acvr2b (NM_031554) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acvr2b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211367 representing NM_031554
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGCGCCCTGGGCGCCCTCGCCCTTCTCTGGGGATCGCTGTGCGCCGGTTCGGGGCAGGGGAAG
 CTGAGACTCGGGAGTGCACTACTACAACGCCAACTGGGAGCTGGAGCGCACCAACCAGAGCGGCCCTGGA
 GCGCTGCGAGGGGGAACAGGACAAGCGGCTGCACTGCTATGCCTCGTGGCGCAACAGCTCGGGCACCATC
 GAGCTGGTGAAGAAGGGCTGCTGGCTAGATGACTTCAATTGCTACGACAGGCAGGAGTGTGTGGCCACTG
 AGGAGAACCCCCAGGTGATTTCTGCTGCTGTGAAGGCAATTTCTGCAACGAGCGCTTACCCATTTGCC
 GGAGCCTGGGGGCCAGAAGTCACGTACGAGCCACCCCGACAGCCCCACCTGCTCACGGTGTGGCC
 TATTGCTGCTGCCATTGGAGGCTCTCTCATCGTCTGCTGGCCTTCTGGATGTACCGACATCGAA
 AGCCTCCCTACGGCCACGTGGACATCCATGAGGACCCTGGGCTCCTCCCCATCGCCTCTGGTGGGCT
 GAAGCCGCTACAGTTGCTGGAGATCAAGGCTCGAGGTCGCTTTGGCTGCGTCTGGAAGGCTCAGCTCATG
 AACGACTTTGTGGCTGTGAAGATCTTCCACTTACAGGACAAGCAGTCTGGCAGAGTGAGCGGGAGATCT
 TCAGCACACCGGGCATGAAGCACGAAAACCTCCTGCAGTTCATTGCTGCAGAGAAACGAGGCTCCAACT
 GGAGGTGGAGCTGTGGCTCATCACAGCCTTCCACGACAAGGGCTCCCTCACGGATTACCTCAAGGGGAAC
 ATCATCACGTGGAACGAGCTGTGTATGTGGCAGAGACGATGTCACGAGGCTCTCGTACCTGCATGAGG
 ATGTGCCGTGGTGTGCTGGCGAGGGCCACAAGCCTTCTATTGCCACAGGGACTTCAAAGCAAGAATGT
 TCTGCTGAAGAGCGACCTCACCGGGTGTGGCTGACTTTGGCCTGGCTGTTCCGGTTTGAGCCGGGGAAG
 CCTCCAGGGGATACCCATGGGCAGGTTGGCACCAGACGGTACATGGCCCCGAGGTGCTGGAGGGGGCCA
 TCAACTCCAGAGAGACGCCTTCTGCGTATCGACATGTACGCCATGGGCTGGTGTGGGAGCTCGT
 TTCTCGTTGCAAGGCCGAGATGGGCTGTGATGAGTACATGCTGCCTTTCGAGGAAGAGATTGGCCAA
 CACCCCTCACTGGAGGAGCTTACAGGAGGTGGTTGTCCACAAGAAGATGAGGCCACCATTAAAGGATCACT
 GGCTGAAACATCCGGGCTGGCCAGCTCTGCGTGACCATCGAGGAGTGTGGGACCATGATGCAGAGGC
 TCGTCTGTCTGCAGGCTGTGTGAAGAGCGGGTATCCCTGATCAGGAGGTCGGTCAACAGCTCTACCTCG
 GACTGTCTCGTCTCTGGTGACCTCCGTCACCAATGTGGACCTGCTCCCTAAAGAGTCCAGCAT**TAA**

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031554

Insert Size: 1539 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_031554.1](#), [NP_113742.1](#)

RefSeq Size: 1843 bp

RefSeq ORF: 1539 bp

Locus ID: 25366

UniProt ID: [P38445](#)

Cytogenetics: 8q32

Gene Summary: plays a role in reproductive physiology and endocrinology [RGD, Feb 2006]