

Product datasheet for **RR211367**

Acvr2b (NM_031554) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR211367 representing NM_031554
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGCGCCCTGGGCGCCCTCGCCCTTCTCTGGGGATCGCTGTGCGCCGGTTCGGGCGAGGGGAAG
 CTGAGACTCGGGAGTGCATCTACTACAACGCCAACTGGGAGCTGGAGCGCACCAACCAGAGCGGCCCTGGA
 GCGCTGCGAGGGGGAACAGGACAAGCGGCTGCACTGCTATGCCTCGTGGCGCAACAGCTCGGGCACCATC
 GAGCTGGTGAAGAAGGGCTGCTGGCTAGATGACTTCAATTGCTACGACAGGCAGGAGTGTGTGGCCACTG
 AGGAGAACCCCCAGGTGATTTCTGCTGCTGTGAAGGCAATTTCTGCAACGAGCGCTTACCCATTTGCC
 GGAGCCTGGGGGCCAGAAGTACGTACGAGCCACCCCGACAGCCCCACCTGCTCACGGTGTGGCC
 TATTGCTGCTGCCATTGGAGGCTCTCTCATCGTCTGCTGGCCTTCTGGATGTACCGACATCGAA
 AGCCTCCCTACGGCCACGTGGACATCCATGAGGACCCTGGGCTCCTCCCCATCGCCTCTGGTGGGCT
 GAAGCCGTACAGTTGCTGGAGATCAAGGCTCGAGGTCGCTTTGGCTGCGTCTGGAAGGCTCAGCTCATG
 AACGACTTTGTGGCTGTGAAGATCTTCCACTTACAGACAAGCAGTCTGGCAGAGTGGAGCGGGAGATCT
 TCAGCACACCGGGCATGAAGCACGAAAACCTCCTGCAGTTCATTGCTGCAGAGAAACGAGGCTCCAACT
 GGAGGTGGAGCTGTGGCTCATCACAGCCTTCCACGACAAGGGCTCCCTCACGGATTACCTCAAGGGGAAC
 ATCATCACGTGGAACGAGCTGTGTATGTGGCAGAGACGATGTCACGAGGCTCTCGTACCTGCATGAGG
 ATGTGCCGTGGTGTGCTGGCGAGGGCCACAAGCCTTCTATTGCCACAGGGACTTCAAAGAAGAATGT
 TCTGCTGAAGAGCGACCTCACCGGGTGTGGCTGACTTTGGCCTGGCTGTTGCGTTTGGCCGGGGAAG
 CCTCCAGGGGATACCCATGGGCAGGTTGGCACCAGACGGTACATGGCCCCGAGGTGCTGGAGGGGGCCA
 TCAACTCCAGAGAGACGCCTTCTGCGTATCGACATGTACGCCATGGGCTGGTGTGGGAGCTCGT
 TTCTCGTTGCAAGGCCGAGATGGGCTGTGATGAGTACATGCTGCCTTTCGAGGAAGAGATTGGCCAA
 CACCCCTCACTGGAGGAGCTTACAGGAGTGGTTGTCCACAAGAAGATGAGGCCACCATTAAAGGATCACT
 GGCTGAAACATCCGGGCTGGCCAGCTCTGCGTGACCATCGAGGAGTGTGGGACCATGATGCAGAGGC
 TCGTCTGTCTGCAGGCTGTGTGAAGAGCGGGTATCCCTGATCAGGAGTGGTCAACAGCTCTACCTCG
 GACTGTCTGCTCTCTGGTACCTCCGTACCAATGTGGACCTGCTCCCTAAAGAGTCCAGCATCGACT
 GTCTGCTCTCTGGTACCTCCGTACCAATGTGGACCTGCTCCCTAAAGAGTCCAGCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211367 representing NM_031554
 Red=Cloning site Green=Tags(s)

MTAPWAALALLWGSLCAGSGRGEAETRECIYYNANWELERTNQSLERCEGEQDKRLHCYASWRNSSGTI
 ELVKKGCWLDNFNCYDRQECVATEENPQVYFCCCEGNFCNERFTHLPEPGGPEVTYEPPTAPTLLTVLA
 YSLLPIGGLSLIVLLAFWYRHRKPPYGHVDIHEDPGPPPPSPLVGLKPLQLLEIKARGRFQCVWKAQLM
 NDFVAVKIFPLQDKQSWQSEREIFSTPGMKHENLLQFIAAEKRGSNLEVELWLITAFHDKGSLTDYLGKN
 IITWNELCHVAETMSRGLSYLHEDVPCWCRGEGHKPSIAHRDFKSKNVLLKSDLTAVLADFLAVRFEPGK
 PPGDTHGQVQTRRYMAPEVLEGAINFQRDAFLRIDMYAMGLVLWELVSRCKAADGPVDEYMLPFEEEEIGQ
 HPSLEELQEVVHKKMRPTIKDHWLKHPLAQLCVTIEECWDHDAEARLSAGCVEERVSLIRRSVNSSTS
 DCLVSLVTSVTNVDLLPKESSIDCLVSLVTSVTNVDLLPKESSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1732_g05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_031554

ORF Size: 1536 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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 Size: 1843 bp

RefSeq ORF: 1539 bp

Locus ID: 25366

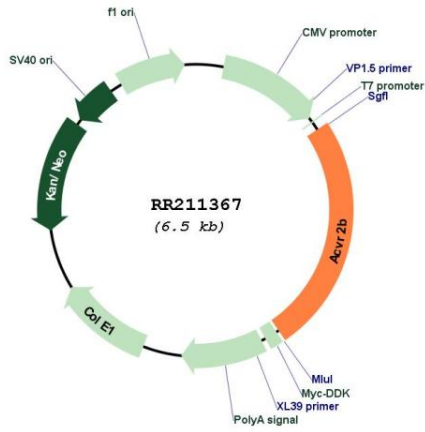
UniProt ID: [P38445](#)

Cytogenetics: 8q32

MW: 57.8 kDa

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

Product images:



Circular map for RR211367