

Product datasheet for **RN205137**

Acvr11 (NM_022441) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acvr11 (NM_022441) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acvr11
Synonyms:	R-3; R3; SETHKIR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205137 representing NM_022441
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCTGGGGATTTTCCGAAGGCTCTTTTGTAGTGTGCGGTGGCCTTGGCCTAACTAAGGGAGACT
 TGGTGAAGCCCTCCAGGGTTCAGCTGGTAACTGCACTTGTGAGAACCACACTGCAAGAGGCCAATCTG
 CCAGGGGGCATGGTGCACAGTGGTGTAGTTCGAGAGCAGGGCAGGCACCCCCAGGTCTATCGGGCTGC
 GGGAGCCTGAACCAGGAGCTCTGCCTGGGACGTCCACGGAGTTTGTGAACCATCACTGCTGCTATAGAT
 CCTTCTGCAACCACAATGTGTCCCTGATGCTGGAGGCCACCCAACTCCTTCGGAGGAGCCAGAAGTAGA
 TGCCCATCTGCCTCTGATCCTGGGTCCCGTGTGGCCTTGTGGTCTGGTGGCCTGGGCACTCTGGG
 TTGTGGCGTGTCCGGAGAAGGCAGGAGAAGCAGCGGGTCTGCACAGTGACCTGGCGAGTCCAGTCTCA
 TCCTGAAGGCATCGAACAGGGAGACAGCATGTTGGGGACTTCTGGTCAAGGACTGTACCACAGGCAG
 CGGCTCAGGGCTACCTTCTTGGTGCAGAGGACAGTAGCGGACAGGTTGCACTGGTGGAGTGTGTGGGA
 AAGGGCCGATATGGCGAGGTGTGGCGCGGTTCTGGTGGCATGGCGAGAGTGTGGCGGTCAAGATTTCTCCT
 CACGAGATGAGCAGTCTGGTCCGGGAGACAGAGATCTACAACACAGTTCTGCTTAGACACGACAACAT
 CCTAGGCTTATCGCCTCCGACATGACCTCGCGGAACTCCAGCACGCAGCTGTGGCTTATACCCACTAC
 CACGAGCATGGCTCCCTCTATGACTTTCTGCAGAGGCAGACGCTGGAGCCCCAGTTGGCCCTGAGGCTGG
 CTGTGTCCGCGGCTGCGGCTGGCGCACCTGCATGTAGAGATCTTTGGCACTCAAGGCAAACCAGCCAT
 CGCCCATCGTGACCTCAAGAGCCGCAACGTGCTGGTCAAGAGCAACTGCAGTGTTCATTGCAGACCTG
 GGATTGGCTGTGATGCACTCGCAAAGCAGCGATTACCTGGACATTGGTAACAACCCCGAGTGGGTACCA
 AGAGATACATGGCACCCGAGGTGCTGGATGAGCAGATCCGCACAGACTGTTTTGAGTTCGTACAAGTGGAC
 AGACATCTGGGCTTCCGGCTTAGTGCTATGGGAGATTGCCCGGGGACCATCATCAATGGCATTGTGGAG
 GACTACAGGCCACCTTCTATGACATGGTACCCAAATGACCCAGTTTTGAGGACATGAAAAAGTGGTGT
 GTGTTGACCAGCAGACCCCAACCATCCCTAACCAGTGGCAGCAGATCCGGTCTCTCCGGGCTGGCCCA
 GATGATGCGAGAGTGTGGTACCCCAACCCCTCCGCTCGCCTCACCGCACTGCGCATAAAGAAGACATTA
 CAGAAGCTCAGCCAGAATCCAGAGAAACCCAAAGTGATTCACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_022441

Insert Size: 1515 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<ol style="list-style-type: none">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:	<u>NM_022441.2</u> , <u>NP_071886.1</u>
RefSeq Size:	3540 bp
RefSeq ORF:	1515 bp
Locus ID:	25237
UniProt ID:	<u>P80203</u>
Cytogenetics:	7q36
Gene Summary:	may play a role in TGF-beta mediated transmembrane signaling in blood vessels [RGD, Feb 2006]