

Product datasheet for **MC200751**

Acvr11 (BC015083) Mouse Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Acvr11 (BC015083) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Acvr11 |
| Synonyms: | Acvr1k1; AI115505; AI427544; Alk1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC015083
 CCACGCGTCCGGCCCTTCCCAGTCCCCGGAGGCCGCGCCAGCCGCGCAGATCGAGACCTTTCCCGG
 CCCCACAGGCCGGCTCTGGACGTGAGACCCCGCCGCCTCCGGCAAGGAGAGGCGGGGTGAGTCGCC
 TGTCCAAAGGACCATGACCTTGGGGAGCTTCAAGAGGGGCTTTTGTGCTGTGCGTGGCCTTTGGCCTA
 ACCAGGGGAGACTTGGCGAAGCCTTCAAGCTGGTGAAGTGCCTTGTGAGAGCCACACTGCAAGAGAC
 CATTCTGCCAGGGTTCATGGTGCACAGTGGTGTGTTTCGGGAGCAGGGCAGGCACCCCAAGTCTATCG
 GGGCTCGGGAGCCTGAACCAGGAGCTCTGCTTGGGACGTCCACAGAGTTTCTGAACCATCACTGCTGC
 TATAGATCCTTCTGCAACCACAACGTGTCTGTGCTGGAGGCCACCCAACTCCTTCGGAGGAGCCAG
 AAGTTGATGCCCATCTGCCTCTGATCCTGGGTCTGTGCTGGCCTTGCCGGTCTGGTGGCCTGGGTGC
 TCTAGGCTTGTGGCGTGTCCGGCGAGGAGGAGAAGCAGCGGGATTTGCACAGTGCCTGGGCGAGTCC
 AGTCTCATCTGAAGGCATCTGAACAGGACAGCAGCATGTTGGGGGACTTCTGGACAGCGACTGTACTA
 CGGGCAGCGGCTCGGGCTCCCTTCTTGGTGCAGAGGACGGTAGCTCGGCAGGTTGCGTGGTAGAGTG
 TGTGGGAAAGGGCCGATATGGTGAAGTGTGGCGCGTTTCGTGGCATGGCGAGAGTGTGGCGGTCAAGATT
 TTCTCCTCAGGATGAGCAGTCTGGTTCGGGAGACGGAGATCTACAACACAGTTCTGCTTAGACACG
 ACAACATCCTAGGCTTTCATCGCCTCCGACATGACTTCGCGGAACCTCGAGCACGCAGCTGTGGCTCATCAC
 CCACTACCATGAACACGGCTCCCTCTATGACTTTCTGCAGAGGCAGACGCTGGAGCCCCAGTTGGCCCTG
 AGGCTAGCTGTGTCGGCGCCTGCGGCCTGGCGCACCTACATGTGGAGATCTTTGGCACTCAAGGCAAC
 CAGCCATTGCCCATCGTGACCTCAAGAGTGCATGTGCTGGTCAAGAGTAACTTGCAGTGTTCATTGC
 AGACCTGGGACTGGCTGTGATGCACTCACAAGCAGCGATTACCTGGATATCGGCAACAACCCCGAGTG
 GGTACCAAAAGATACATGGCACCCGAGGTGCTGGATGAGCACATCCGCACAGACTGCTTTGAGTCGTACA
 AGTGGACAGACATCTGGGCTTTGGCCTAGTGTATGGGAGATCGCCCGGCGGACCATCATCAATGGCAT
 TGTGGAGGATTACAGGCCACCTTCTATGACATGGTACCAATGACCCAGTTTTGAGGACATGAAAAAG
 GTGGTGTGCGTTGACCAGCAGACACCCACCTAACCCTGCTGCTGCAGTCCGGTCTCTCCGGG
 TGGCCAGATGATGAGAGAGTGTGTTACCCCAACCCCTCTGCTGCCTCACCGCACTGGCATAAAGAA
 GACATTGCAGAAGCTCAGTCACAATCCAGAGAAGCCAAAGTGATTCACTAGCCAGGGCCACCAGGCTT
 CCTCTGCCTAAAGTGTGTGCTGGGGCAGAAGACATAGCCTGTCTGGGTAGAGGGAGTGAAGAGAGTGTGC
 ACGCTGCCCTGTGTGCTGCTCAGCTTGGCTCCAGCCATCCAGCCAAAAATACAGCTGAGCTGAAA
 TTCGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC015083

Insert Size: 1509 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: [BC015083](#), [AAH15083](#)

RefSeq Size: 1841 bp

RefSeq ORF: 1509 bp

Locus ID: 11482

Cytogenetics: 15 F1

Gene Summary: Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. May bind activin as well.[UniProtKB/Swiss-Prot Function]