

Product datasheet for **MC217128**

Acvr1 (NM_001110204) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acvr1 (NM_001110204) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acvr1
Synonyms:	ActR-I; ActRIA; Acvr; Acvr1k2; Alk-2; ALK2; Alk8; D330013D15Rik; SKR1; Tsk7L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001110204, the custom clone sequence may differ by one or more nucleotides

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ATGGTCGATGGAGTAATGATCCTTCCTGTGCTAATGATGATGGCTTTCCTTCCCCGAGTGTGGAAGATG
AGAAGCCCAAGGTCAACCAGAACTTTACATGTGTGTGTGAGGGCCTCTCTGCGGGAACGAGGACCA
CTGTGAAGGCCAGCAGTGTTTTTCTTCTCTGAGCATCAACGATGGCTTCCACGTCTACCAGAAGGGCTGC
TTTCAGGTTTATGAGCAGGGGAAGATGACGTGTAAGACCCCGCCGTACCTGGCCAGGCTGTGGAGTGTCT
GCCAAGGGGACTGGTGTAAACAGGAACATCACGGCCAGCTGCCACTAAAGGGAAGTCTTCCCCGGAAC
ACAGAATTTCCACCTGGAAGTTGGCCTTATCATCTCTCGGTGGTGTTCAGTATGTCTTTAGCTTGC
ATCCTTGGAGTTGCTCTCAGGAAGTTTAAAGAGACGCAATCAAGAGCGCCTGAACCCAGAGACGTGGAGT
ATGGTACCATTGAAGGGCTCATCACCACCAATGTGGGAGACAGCACTCTAGCGGAACTACTAGATCACTC
GTGTACATCAGGAAGTGGCTCCGGTCTTCTTTCTGGTACAGAGAACGGTGGCTCGCCAGATAACCCCTG
TTGGAGTGTGTGCGGAAGGGCCGGTATGGAGAAGTATGGAGGGGACAGTGGCAAGGCCAAAATGTCGCTG
TGAAGATCTTCTCCTCCCGAGACGAGAAGTATGGTTCAGGGAGACGGAATTGTACAACACTGTGATGTT
GAGGCATGAAAATATCTTAGGTTTCATCGCTTCAGACATGACCTCCAGACACTCCAGTACCCAGCTGTGG
CTCATCACACATTACCATGAAATGGGATCGTTGTATGACTACCTTCAGCTCACTACTCTGGATACGGTTA
GCTGCCTTCGGATTGACTGTCCATAGCCAGCGGCCTTGCCATTTGCACATAGAGATATTTGGGACCCA
AGGGAAGTCCGCCATTGCCCATCGAGATCTGAAGAGCAAAAACATCCTGGTGAAGAAGAATGGACAGTGC
TGATAGCAGATTTGGGCTGGCAGTCATGCATTCCAGAGCACAAACCAGCTTGATGTGGGAAACAACC
CCCGTGTGGGACCAAGCGCTACATGGCTCCGGAAGTGTCTGATGAAACCATCCAAGTGGATTGCTTTGA
TTCTTATAAGAGGGTCGATATTTGGCCTTTGGCCTTGTCTGTGGGAAGTGGCCAGGCGAATGGTGTGAGC
AATGGTATAGTGAAGATTACAAGCCACCATCTATGATGTGGTCCCAATGACCCAAGTTTTGAAGATA
TGAGGAAAGTTGTCTGTGTGGATCAACAGAGGCCAAAACATACCTAACAGATGGTTCTCAGACCCGACATT
AACTTCTCTGGCAAGCTGATGAAAGAGTGTGGTATCAGAACCCATCCGCAAGACTCACAGCTCTACGT
ATCAAAAAGACTTTGACCAAAATCGATAATTCCTAGACAAAATAAAACTGACTGTTGA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001110204
Insert Size:	1530 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:	<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_001110204.1</u> , <u>NP_001103674.1</u>
RefSeq Size:	3312 bp
RefSeq ORF:	1530 bp
Locus ID:	11477
UniProt ID:	<u>P37172</u>
Cytogenetics:	2 C1.1
Gene Summary:	<p>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. Receptor for activin. May be involved in left-right pattern formation during embryogenesis. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All five variants encode the same protein.</p>