

Product datasheet for **MC214283**

Acvr1c (NM_001033369) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acvr1c (NM_001033369) Mouse Untagged Clone
Tag: Tag Free
Symbol: Acvr1c
Synonyms: ACTR-IC; ACVRLK7; Alk-7; ALK7; C230097P10
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214283 representing NM_001033369
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTAACCAACGGAAAGAGCAGGTGATCAAATCGTGTGTGCCCTCCCGAACTAAATGCTCAGGTCT
TCTGTCACAGTTCCAACAACGTGACCAAAACCGAATGTTGCTTACAGACTTCTGCAACAATATCACACT
GCACCTTCCCACAGGTCTGCCTCTTTGGTTCAAAGAACAATCGCAAGGACAATTGACTTCAAGAAATC
GTAGGAAAAGGTCGGTTTGGGGAAGTGTGCACCGAAGATGGTGTGGAGAAGATGTGGCTGTGAAAATAT
TCTCTCCAGGGATGAGAGATCTTGGTCCGTGAGGCGGAAATTTATCAGACGGTATGCTGAGACACGA
GAACATCTCGGTTTCATCGCAGCTGACAACAAAGATAATGGAACCTGGACACAACCTCTGGCTTGTGTCA
GAGTATCACGAGCAGGGCTCCTTGTATGACTATTTGAACAGAAACATAGTGACTGTGGCTGGAATGGTCA
AGCTGGCGCTTTCATAGCGAGTGGTCTGGCTCACCTGCACATGGAGATCGTGGTACTCAAGGTAAGCC
TGCTATTGCTCACCGAGATATAAAGTCAAAGAATATCCTAGTCAAAAAATGTGACACTTGTGCCATAGCT
GACTTAGGGCTGGCTGTGAAGCAGATTCTATCATGAACACTATAGACATACCCAGAATCCTAAAGTGG
GAACCAAGAGGTACATGGCTCCCGAAATGCTTGATGATACAATGAACCTGAGCATCTTTGAGTCCCTCAA
CGGAGCTGACATCTATTCGGTGGGCTGGTTTACTGGGAAATAGCTCGAAGGTGTTTCAGTTGGAGGAGTT
GTTGAGGAGTACCAAGTTGCCTTACTATGACATGGTGCCTTCAGATCCTTCGATAGAAGAAATGAGGAAGG
TTGTCTGTGATCAGAACTCCGACCAAATCTCCCAAACAGTGGCAAAGCTGTGAAGCGCTGCGGGTCAT
GGGAAGAATAATGCGTGAGTGTGGTACGCCAACGGGCGAGCAGCCCTGACAGCCCTGCGCGTGAAGAAG
ACCATCTCCAGCTGTGTGCAAGGAAGACTGTAAAGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001033369



Insert Size:	1092 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_001033369.3, NP_001028541.1</u>
RefSeq Size:	8666 bp
RefSeq ORF:	1092 bp
Locus ID:	269275
Cytogenetics:	2 C1.1
Gene Summary:	Serine/threonine protein kinase which forms a receptor complex on ligand binding. The receptor complex consisting of 2 type II and 2 type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators, SMAD2 and SMAD3. Receptor for activin AB, activin B and NODAL. Plays a role in cell differentiation, growth arrest and apoptosis.[UniProtKB/Swiss-Prot Function]