

Product datasheet for **MR216735**

Acvr1c (NM_001111030) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acvr1c (NM_001111030) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acvr1c
Synonyms:	ACTR-IC; ACVRLK7; Alk-7; ALK7; C230097P10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216735 representing NM_001111030
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCAGCGCGGGCTCCGCACTGAGCCTGGCCCTCTGCTGGTGGCCCTGGCCGCCGACCTTGCGG
 CAGGACTGAAGTGTGTGTCTTTTGTGTGATTCTTCAAACCTCACCTGCCAAACGGAAGGAGCATGTTG
 GGCTCCGTCATGCTAACCAACGGGAAAGAGCAGGTGATCAAATCGTGTGTGCCCTCCCGAACTAAAT
 GCTCAGGTCTTCTGTACAGTTCACAAACGTGACAAAACCGAATGTTGCTTACAGACTTCTGCAACA
 ATATCACACTGCACCTTCCACAGCATCGCAAATGCCCTCGACTTGGTCCCACAGAGCTGACGGTGT
 TATCACCGTGCCGGTTTGCCTCCTGTCCATAGCCGCCATGCTAACAAATATGGGCGTGCCAGGACGCCAG
 TGCACATACAGGAAGACTAAGAGACACAACGTGGAGGAAGCGCTGGCTGAGTACAGCCTTGTGAATGCAG
 GAAAAACTCAAGGATCTGATCTACGATGCTACTGCCTGGCTCAGGCTCTGGTCTGCCTCTCTTGGT
 TCAAAGAACAATCGAAGGACAATTGTACTTCAAGAAATCGTAGGAAAAGGTCGGTTTGGGAAGTGTGG
 CACGGAAGATGGTGTGGAGAAGATGTGGCTGTGAAAATATTCTCCTCCAGGGATGAGAGATCTTGGTTCC
 GTGAGGCGGAAATTTATCAGACGGTGATGCTGAGACACGAGAACATCCTCGGTTTCATCGCAGCTGACAA
 CAAAGATAATGGAACCTGGACACAACCTCTGGCTTGTGTCAGAGTATCACGAGCAGGGCTCCTTGTATGAC
 TATTTGAACAGAAACATAGTGACTGTGGCTGGAATGGTCAAGCTGGCGCTTCCATAGCGAGTGGTCTGG
 CTCACCTGCACATGGAGATCGTGGGTAAGCTGCTATTGCTCACCGAGATATAAAGTCAAA
 GAATATCTAGTCAAAAAATGTGACACTTGTGCCATAGCTGACTTAGGGCTGGCTGTGAAGCAGGATTCT
 ATCATGAACACTATAGACATACCCAGAATCCTAAAGTGGGAACCAAGAGGTACATGGCTCCCGAAATGC
 TTGATGATAACAATGAACCTGAGCATCTTGTAGTCTTCAAGCAGCTGACATCTATTCGGTGGGCTGTC
 TTAGTGGGAAATAGCTCGAAGGTGTTCAAGTGGAGGAGTTGTTGAGGAGTACCAGTTGCCTTACTATGAC
 ATGGTGCCTTCAGATCCTTCGATAGAAGAAATGAGGAAGTTGTCTGTGATCAGAAACTCCGACCAAATC
 TCCCAAACAGTGGCAAAGCTGTGAAGCCTGCGGGTCATGGGAAGAATAATGCGTGAGTGTGGTACGC
 CAACGGGGCAGCAGCCTGACAGCCCTGCGCGTGAAGAAGACCATCTCCAGCTGTGTGTCAAGGAAGAC
 GTAAAGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216735 representing NM_001111030
 Red=Cloning site Green=Tags(s)

MTPARGSALSLALLLVALAADLAAGLKCVCLLCDSSNFTCQTEGACWASVMLTNGKEQVIKSCVSLPELN
 AQVFCSSNNVTKTECCFTDFCENNITLHLPASPAPRLGPTTELTVVITVPVCLLSIAAMLTIWACQDRQ
 CTYRKTQRHNVVEALAEYSLVNAGKTLKDLIYDATASGSGSGLPLLQRTIARTIVLQEIYVKGGRFGEVW
 HGRWCGEDVAVKIFSSRDERSWFREAEIYQTVMLRHENILGFIAADNKDNGTWTQLWLVEYHEQGSYLD
 YLNRNIVTVAGMVKLALSIAASGLAHLHMEIVGTQGKPAIAHRDIKSKNILVKKCDTCAIADLGLAVKHDS
 IMNTIDIPQNPVKRYMAPEMLDDTMNLSIFESFKRADIYSVGLVYWEIARRCSVGGVVEEYQLPPYD
 MVPSPSIEEMRQVCDQKLRPNLPNQWQSCEALRVMGRIMRECWYANGAARLTALRVKKTISQLCVKED
 CKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2009_e04.zip

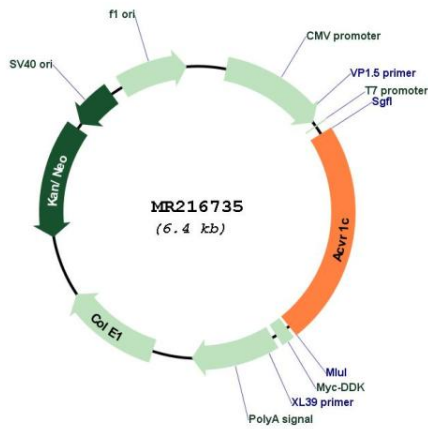
Restriction Sites:

SgfI-MluI

RefSeq: [NM_001111030.1](#), [NP_001104500.1](#)
RefSeq Size: 9033 bp
RefSeq ORF: 1482 bp
Locus ID: 269275
UniProt ID: [Q8K348](#)
Cytogenetics: 2 C1.1
MW: 55.2 kDa

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]

Product images:



Circular map for MR216735