

Product datasheet for **MR225322**

Acvr1 (NM_001110205) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acvr1 (NM_001110205) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)



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ORF Nucleotide Sequence:

>MR225322 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTCGATGGAGTAATGATCCTTCCTGTGCTAATGATGATGGCTTTCCTTCCCGAGTGTGGAAGATG
 AGAAGCCCAAGGTCAACCAAGAACTTTACATGTGTGTGTGAGGGCCTCTCTCGCGGAACGAGGACCA
 CTGTGAAGGCCAGCAGTGTTTTTCTTCTCTGAGCATCAACGATGGCTTCCACGTCTACCAGAAGGGCTGC
 TTTCAGGTTTATGAGCAGGGGAAGATGACGTGTAAGACCCCGCCGTACCTGGCCAGGCTGTGGAGTGCT
 GCCAAGGGGACTGGTGTAAACAGGAACATCACGGCCAGCTGCCACTAAAGGGAAGTCTTCCCCGGAAC
 ACAGAATTTCCACCTGGAAGTTGGCCTTATCATCTCTCGGTGGTGTTCAGTATGTCTTTTAGCTTGC
 ATCCTTGGAGTTGCTCTCAGGAAGTTAAGAGACGCAATCAAGAGCGCCTGAACCCAGAGACGTGGAGT
 ATGGTACCATTGAAGGGCTCATCACCACCAATGTGGGAGACAGCACTCTAGCGGAACTACTAGATCACTC
 GTGTACATCAGGAAGTGGCTCCGGTCTTCTTTCTGGTACAGAGAACGGTGGCTCGCCAGATAACCCTG
 TTGGAGTGTGTCGGGAAGGGCCGGTATGGAGAAGTATGGAGGGGAGCTGGCAAGGCGAAAATGTCGCTG
 TGAAGATCTTCTCTCCCGAGACGAGAAGTCATGGTTCAGGGAGACGGAATTGTACAACACTGTGATGTT
 GAGGCATGAAAATATCTTAGGTTTCATCGCTTCAGACATGACCTCCAGACACTCCAGTACCCAGCTGTGG
 CTCATCACACATTACCATGAAATGGGATCGTTGTATGACTACCTTCAGCTCACTACTCTGGATACGGTTA
 GCTGCCTTCGGATTGACTGTCCATAGCCAGCGGCCTTGCCCATTTGCACATAGAGATATTTGGGACCCA
 AGGGAAGTCCGCCATTGCCATCGAGATCTGAAGAGCAAAAACATCCTGGTGAAGAAGATGGACAGTGC
 TGCATAGCAGATTTGGGCTGGCAGTCATGCATCCCAGAGCACAAACCAGCTTGATGTGGGAAACAACC
 CCCGTGTGGGGACCAAGCGCTACATGGCTCCGGAAGTGCATGAAACCATCCAAGTGGATTGCTTTGA
 TTCTTATAAGAGGTTCGATATTTGGGCCTTTGGCCTTGTCTGTGGGAAGTGGCCAGGCGAATGGTGAGC
 AATGGTATAGTGAAGATTACAAGCCACATTCTATGATGTGGTCCCAATGACCCAAGTTTGAAGATA
 TGAGGAAAGTTGTCTGTGTGGATCAACAGAGGCCAAACATACCTAACAGATGGTTCTCAGACCCGACATT
 AACTTCTCTGGCGAAGCTGATGAAAGAGTGTGGTATCAGAACCCATCCGCAAGACTCACAGCTCTACGT
 ATCAAAAAGACTTTGACCAAAATCGATAATTCCTAGACAAATAAAAACTGACTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225322 protein sequence
 Red=Cloning site Green=Tags(s)

MVDGVMIPLVLMMAFPSPSVEDEKPKVNQKLYMCVCEGLSCGNEDHCEGQQCFSSLSINDGFHVYQKGC
 FQVYEQGKMTCKTPPSPGQAVECCQGDWCNRNITAQLPTKGSFPGTQNFHLEVGLIILSVFVAVLLAC
 ILGVALRKFRRNQERLNPRDVEYGTIEGLITTNVGDSTLAELLDHCTSGSGSGLPFLVQRTVARQITL
 LECVKGGRYGEVWRGWSQGENVAVKIFSSRDEKSWFRETLYNTVMLRHENILGFIASDMSRHSSTQLW
 LITHYHEMGSLYDYQLTTLDTVSLRIVLSIASGLAHLHIEIFGTQGKSAIAHRDLKSKNILVKKNGQC
 CIADLGLAVMHSQSTNQLDVGNPRVGTKRYMAPEVLDETIQVDCFDYKRVDIWAFGLVLWEVARRMVS
 NGIVEDYKPPFYDVPNDPSFEDMRKVVCVDQQRPNIPNRWFSPTLTSKAKLMKECWYQNP SARLTALR
 IKKTLTKIDNSLDKDKTDC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

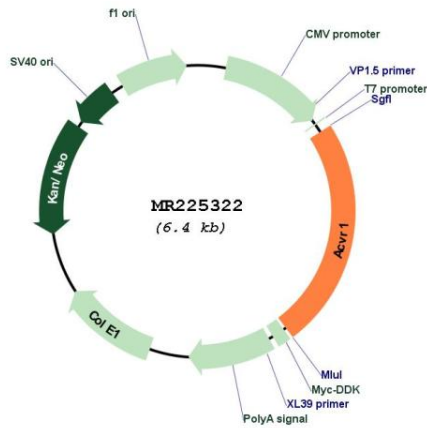
Restriction Sites:

Sgfl-MluI

MW: 57.2 kDa

Gene Summary: 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]

Product images:



Circular map for MR225322