

## Product datasheet for **RC207486A1V**

### Human Activin Receptor Type IA (ACVR1) (NM\_001105) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Activin Receptor Type IA (ACVR1) (NM_001105) AAV Particle
Tag:	Myc-DDK
Symbol:	Activin Receptor Type IA
Synonyms:	ACTRI; ACVR1A; ACVRLK2; ALK2; FOP; SKR1; TSRI
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC207486 representing NM\_001105  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTAGATGGAGTGATGATTCTTCTGTGCTTATCATGATTGCTCTCCCTCCCCTAGTATGGAAGATG  
 AGAAGCCAAGGTCAACCCCAAACCTCTACATGTGTGTGTGAAGGTCTCTCCTGCGGTAAATGAGGACCA  
 CTGTGAAGGCCAGCAGTGCTTTTCTCACTGAGCATCAACGATGGCTTCCACGTCTACCGAAAGGCTGC  
 TTCCAGGTTTATGAGCAGGAAAGATGACCTGTAAGACCCCGCGTCCCCTGGCCAAGCTGTGGAGTGCT  
 GCCAAGGGGACTGGTGTAAACAGGAACATCACGGCCAGCTGCCACTAAAGGAAAATCCTTCCCTGGAAC  
 ACAGAATTTCCACTTGGAGGTTGGCCTCATTATTCTCTGTAGTGTTCGCAGTATGCTTTTAGCTGC  
 CTGCTGGGAGTGTCTCCGAAAATTTAAAGGCGCAACCAAGAACGCCTCAATCCCGAGACGTGGAGT  
 ATGGCACTATCGAAGGGCTCATCACCACCAATGTTGGAGACAGCACTTTAGCAGATTTATTGGATCATT  
 GTGTACATCAGGAAGTGGCTCTGGTCTTCTTTCTGGTACAAAGAACAGTGGCTCGCCAGATTACTG  
 TTGGAGTGTGTGGGAAAGGCAGGTATGGTGGGTGTGGAGGGGCACTGGCAAGGGGAAAATGTTGCCG  
 TGAAGATCTTCTCCTCCCGTGTGAGAAGTCATGGTTCAGGAAACGGAATTGTACAACACTGTGATGCT  
 GAGGCATGAAAATATCTTAGGTTTCATTGCTTCAGACATGACATCAAGACACTCCAGTACCCAGCTGTGG  
 TTAATTACACATTATCATGAAATGGGATCGTTGTACGACTATCTTCAGCTTACTACTCTGGATACAGTTA  
 GCTGCCTTCGAATAGTGTGTCCATAGCTAGTGGTCTTGCACATTTGCACATAGAGATATTTGGGACCCA  
 AGGGAAACCAGCCATTGCCATCGAGATTTAAAGAGCAAAAATATTCTGGTTAAGAAGAATGGACAGTGT  
 TGCATAGCAGATTTGGCCTGGCAGTCATGCATTCCCAGACCAATCAGCTTGATGTGGGGAACAATC  
 CCCGTGTGGGCACCAAGCGCTACATGGCCCCGAAGTTCTAGATGAAACCATCCAGTGGATTGTTTTCGA  
 TTCTTATAAAAGGGTCGATATTTGGCCCTTTGGACTTGTGTTTGTGGGAAGTGGCCAGGCGGATGGTGAGC  
 AATGGTATAGTGGAGGATTACAAGCCACCGTCTACGATGTGGTCCCAATGACCCAAGTTTTGAAGATA  
 TGAGGAAGGTAGTCTGTGTGGATCAACAAGGCCAAACATACCCAACAGATGGTTCTCAGACCCGACATT  
 AACCTCTCTGGCCAAGCTAATGAAAGAATGCTGGTATCAAAATCCATCCGCAAGACTCACAGCACTGCGT  
 ATCAAAAAGACTTTGACCAAAATTGATAATTCCTCGACAAATTGAAAACACTGACTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC207486 representing NM\_001105  
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MVDGVMILPVLIMIALPSPSMEDEKPKVNPPLYMCVCEGLSCGNEDHCEGQQCFSSLSINDGFHVYQKGC  
 FQVYEQKMTCKTPPSPGQAVECCQGDWCNRNITAQLPTKGSFPGTQNFHLEVGLIILSVVFAVCLLAC  
 LLGVALRKFRRNQERLNPRDVEYGTIEGLITTNVGDSTLADLLDHSCTSGSGSGLPFLVQRTVARQITL  
 LECVKGGRYGEVWRGSWQGENVAVKIFSSRDEKSWFRETLYNTVMLRHENILGFIASDMTSRHSSTQLW  
 LIITHYHEMGSLYDYLQLTLDTVSCLRIVLSIASGLAHLHIEIFGTQGKPAIAHRDLKSKNILVKKNGQC  
 CIADLGLAVMHSQSTNQLDVGNNPRVGTKRYMAPEVLDETIQVDFDSYKRVDIWAFGLVLWEVARRMVS  
 NGIVEDYKPPFYDVVPNDPSFEDMRKVVCDVQQRPNIPNRWFSDFPTLTLAKLMKECWYQNP SARLTALR  
 IKKTLTKIDNSLDKLTDC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_001105

**ORF Size:**

1527 bp

<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<b>Stability:</b>	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
<b>RefSeq:</b>	<u><a href="#">NM_001105.2</a></u> , <u><a href="#">NP_001096.1</a></u>
<b>RefSeq Size:</b>	2952 bp
<b>RefSeq ORF:</b>	1530 bp
<b>Locus ID:</b>	90
<b>UniProt ID:</b>	<u><a href="#">Q04771</a></u>
<b>Cytogenetics:</b>	2q24.1
<b>MW:</b>	57.15 kDa