

## Product datasheet for **RC238653A1V**

### Human Activin Receptor Type IIA (ACVR2A) (NM\_001278579) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Activin Receptor Type IIA (ACVR2A) (NM_001278579) AAV Particle
Tag:	Myc-DDK
Symbol:	Activin Receptor Type IIA
Synonyms:	ACTRII; ACVR2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC238653 representing NM\_001278579  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGAGCTGCTGCAAAGTTGGCGTTTGCCGTCTTTCTTATCTCCTGTTCTTCAGGTGCTATACTTGGTA  
 GATCAGAAACTCAGGAGTGCTTTTTCTTAATGCTAATTGGGAAAAAGACAGAACCAATCAAAGTGTG  
 TGAACCGTGTTATGGTGACAAAGATAAACCGCGCATTGTTTTGCTACCTGGAAGAATATTTCTGGTTCC  
 ATTGAAATAGTGAAACAAGTTGTTGGCTGGATGATATCAACTGCTATGACAGGACTGATTGTGTAGAAA  
 AAAAAGACAGCCCTGAAGTATATTTTGTGCTGTGAGGGCAATATGTGTAATGAAAAGTTTTCTATTT  
 TCCGGAGATGGAAGTACACAGCCCACTTCAAATCCAGTTACACCTAAGCCACCTATTACAACATCCTG  
 CTCTATTCCTTGGTGCCACTTATGTTAATTGCGGGGATTGTCATTTGTGCATTTTGGGTGTACAGGCATC  
 ACAAGATGGCCTACCCTCCTGTACTTGTCCAACCTCAAGACCCAGGACCACCCCACTTCTCCATTACT  
 AGGTTTGAACCACTGCAGTTATTAGAAGTAAAGCAAGGGGAAGATTTGGTTGTGTCTGAAAGCCAG  
 TTGCTTAACGAATATGTGGCTGTCAAAATATTTCCAATACAGGACAAACAGTCATGGCAAATGAATACG  
 AAGTCTACAGTTTGCCTGGAATGAAGCATGAGAACATATTACAGTTCATTGGTGCAGAAAAACGAGGCAC  
 CAGTGTGATGTGGATCTTTGGCTGATCACAGCATTTTCATGAAAAGGGTTCACATCAGACTTTCTTAAG  
 GCTAATGTGGTCTCTTGGAAATGAACTGTGTCATATTGCAGAAACCATGGCTAGAGGATTGGCATAATTTAC  
 ATGAGGATACCTGGCCTAAAAGATGGCCACAAACCTGCCATATCTCACAGGGACATCAAAAGTAAAA  
 TGTGCTGTTGAAAAACAACCTGACAGCTTGCAATGCTGACTTTGGTTGGCCTTAAAATTTGAGGCTGGC  
 AAGTCTGCAGGCGATACCCATGGACAGTTGGTACCCGGAGGTACATGGCTCCAGAGGTATTAGAGGGTG  
 CTATAAACTTCCAAAGGATGCATTTTGGAGATAGATATGATGCCATGGGATTAGTCCATATGGGAACT  
 GCCTTCTCGTGTACTGCTGCAGATGGACCTGTAGATGAATACATGTTGCCATTTGAGGAGGAAATGGC  
 CAGCATCCATCTCTTGAAGACATGCAGGAAGTTGTTGTGCATAAAAAAAGAGGCCTGTTTTAAGAGATT  
 ATTGGCAGAAACATGCTGGAATGGCAATGCTCTGTGAAACCATTGAAGAATGTTGGGATCACGACGAGA  
 AGCCAGGTTATCAGCTGGATGTGTAGGTGAAAGAATTACCCAGATGCAGAGACTAACAAATATTATTACC  
 ACAGAGGACATTGTAACAGTGGTCACAATGGTGACAAATGTTGACTTCTCCCAAGAATCTAGTCTA

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238653 representing NM\_001278579  
 Red=Cloning site Green=Tags(s)

MGAAAKLAFVFLISCSGAILGRSETQECLFFNANWEKDRNTQTVPEPCYGDKDKRRHCFATWKNISGS  
 IEIVKQGCWLDLDDINCYDRTDCVEKKDSPEVYFCCCEGNMCNEKFSYFPEMEVTQPTSNPVTPKPPYYNIL  
 LYSLVPLMLIAGIVICAFWVYRHHKMAYPVLPVPTQDPGPPPPSPLLGLKPLQLLEVKARGRFGCVWKAQ  
 LLNEYVAVKIFPIQDKQSWQNEYEVYSLPGMKHENILQFIGAERKRGTSVDVDLWLTAFHEKGSLSDFLK  
 ANVVSWNELCHEAETMARGLAYLHEDIPGLKDGHKPAISHRDIKSKNVLLKNNLTACIADFGLALKFEAG  
 KSAGDTHGQVGTTRRYMAPEVLEGAINFQRDAFLRIDMYAMGLVLWELASRCTAADGPVDEYMLPFEEIEIG  
 QHPSLEDMQEVVVHKKRPVLRDYWQKHAGMAMLCETIEECWDHDAEARLSAGCVGERITQMQRLTNIIIT  
 TEDIVTVVMTNVDFFPKESSL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_001278579

**ORF Size:**

1539 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_001278579.1</a></u> , <u><a href="#">NP_001265508.1</a></u>
<b>RefSeq Size:</b>	5374 bp
<b>RefSeq ORF:</b>	1542 bp
<b>Locus ID:</b>	92
<b>UniProt ID:</b>	<u><a href="#">P27037</a></u>
<b>Cytogenetics:</b>	2q22.3-q23.1
<b>MW:</b>	57.8 kDa