

## Product datasheet for **RC225877A1V**

### Human Activin Receptor Type IA (ACVR1) (NM\_00111067) AAV Particle

#### Product data:

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



**ORF Nucleotide Sequence:** >RC225877 representing NM\_001111067  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGTAGATGGAGTGATGATTCTTCTGTGCTTATCATGATTGCTCTCCCTCCCCTAGTATGGAAGATG  
 AGAAGCCCAAGGTCAACCCAACTCTACATGTGTGTGTGAAGGTCTCTCCTGCGGTAATGAGGACCA  
 CTGTGAAGGCCAGCAGTGCTTTTCTCACTGAGCATCAACGATGGCTTCCACGTCTACCAGAAAGGCTGC  
 TTCCAGGTTTATGAGCAGGGAAGATGACCTGTAAGACCCCGCCGTCCTGGCCAAGCTGTGGAGTGCT  
 GCCAAGGGGACTGGTGTAAACAGGAACATCACGGCCAGCTGCCCACTAAAGGAAAATCCTTCCCTGGAAC  
 ACAGAAATTTCCACTTGGAGTTGGCCTCATTATTCTCTGTAGTTTCCGAGTATGTCTTTTAGCCTGC  
 CTGCTGGGAGTTGCTCTCCGAAAATTTAAAGGCGCAACCAAGAAGCGCTCAATCCCGAGAGCTGGAGT  
 ATGGCACTATCGAAGGGCTCATCACCACCAATGTTGGAGACAGCACTTTAGCAGATTTATTGGATCATT  
 GTGTACATCAGGAAGTGGCTCTGGTCTTCTTTTCTGGTACAAAGAACAGTGGCTGCCAGATTACACTG  
 TTGGAGTGTGTCGGGAAAGGCAAGTATGGTGAGGTGTGGAGGGGAGCTGGCAAGGGGAAAATGTTGCCG  
 TGAAGATCTTCTCTCCGTGATGAGAAGTCATGGTTCAAGGAAACGGAATTGTACAACACTGTGATGCT  
 GAGGCATGAAAATATCTTAGGTTTCATTGCTTCAGACATGACATCAAGACACTCCAGTACCCAGCTGTGG  
 TTAATTACACATTATCATGAAATGGGATCGTTGTACGACTATCTTCACTTACTACTCTGGATACAGTTA  
 GCTGCCCTTCCGAATAGTGTGTCCATAGCTAGTGGTCTTGCACATTTGCACATAGAGATATTTGGGACCCA  
 AGGGAACACAGCCATTGCCATCGAGATTTAAAGAGCAAAAATATTCTGGTTAAGAAGAATGGACAGTGT  
 TGCATAGCAGATTTGGGCTGGCAGTCATGCATCCCAGAGCACCATCAGCTTGATGTGGGGAACAATC  
 CCCGTGTGGGCACCAAGCGCTACATGGCCCCGAAGTTCTAGATGAAACCATCCAGGTGGATTGTTTCGA  
 TTCTTATAAAGGGTCGATATTTGGGCCTTTGGACTTGTTTTGTGGGAAGTGGCCAGGCGGATGGTGAGC  
 AATGGTATAGTGGAGGATTACAAGCCACCGTTCTACGATGTGGTTCCCAATGACCCAAGTTTGAAGATA  
 TGAGGAAGGTAGTCTGTGTGGATCAACAAGGCCAAACATACCCAACAGATGGTTCTCAGACCCGACATT  
 AACCTCTCTGGCCAAGCTAATGAAAGAATGCTGGTATCAAAATCCATCCGCAAGACTCACAGCACTGCGT  
 ATCAAAAAGACTTTGACCAAAATTGATAATCCCTCGACAAATTGAAAAGTACTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC225877 representing NM\_001111067  
 Red=Cloning site Green=Tags(s)

MVDGVMILPVLIMIALPSPSMEDEKPKVNPPLYMCVCEGLSCGNEDHCEGQQCFSSLSINDGFHVYQKGC  
 FQVYEQGKMTCKTPPSGQAVECCQGDWCNRNITAQLPTKGKSFPGTQNFHLEVGLIILSVFVAVCLLAC  
 LLGVALRKFKRRNQERLNPRDVEYGTIEGLITTNVGDSTLADLLDHSCSTSGSGSLPFLVQRTVARQITL  
 LECVGKGRYGEVWRGWSQGENVAVKIFSSRDEKSWFRETEL YNTVMLRHENILGFIASDMTSRHSSTQLW  
 LITHYHEMGSLYDYQLTTLDTVSCLRIVLSIASGLAHLHIEIFGTQKPAIAHRDLKSKNILVKKNGQC  
 CIADLGLAVMHSQSTNQLDVGNPNRVGTRKRYMAPEVLDETIQVDCFDYSYKRVDIWAFLVLWEVARRMVS  
 NGIVEDYKPPFYDVVPNDPSFEDMRKVVCVDQQRPNIPNRWFSPTLTSLAKLMKECWYQNP SARLTALR  
 IKKTLTKIDNSLDKLTDC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Species:** Human

**Serotype:** AAV-2

**ACCN:** NM\_001111067

**ORF Size:** 1527 bp

**Buffer:** 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_001111067.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |