

## Product datasheet for **RC221078**

### ACRV1 (NM\_020108) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ACRV1 (NM\_020108) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ACRV1  
**Synonyms:** D11S4365; SP-10; SPACA2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC221078 representing NM\_020108  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACAGGTTTCTCTTGCTAATGAGTCTTTATCTGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTA  
ATGAGCTTTCTGGCTCCATAGATCATCAAACCTCAGTTCAGCAACTTCCAGGTGAGCAGCCTTCAGGAGA  
ACAGCCTTCAGGTGAACACCTCTCCGGAGAACAGCCTTTGAGTGAGCTTGAGTCAGGTGAACAGCCTTCA  
GATGAACAGCCTTCAGGTGAACATGGCTCCGGTGAACAGCCTTCTGGTGAGCAGGCTCCGGTGAACAGC  
CTTCAGGTGAGCAGCTTCAGGGGAACAGGCTTCAGGTGCACCAATTTCAAGCACATCTACAGGCACAAT  
ATTAATTGCTACACATGTGCTTATATGAATGATCAAGGAAAATGTCTTCGTGGAGAGGGAACCTGCATC  
ACTCAGAATCCCAGCAGTGCATGTTAAAGAAGATCTTTGAAGGTGAAAACTCCAATTCATGGTTCAAG  
GGTGTGAGAACATGTGCCATCTATGAACCTCTTCCCATGGAACGAGGATGCAAAATTATATGCTGTCC  
AAATCAATCTTTCTGCAATAAGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC221078 representing NM\_020108  
Red=Cloning site Green=Tags(s)

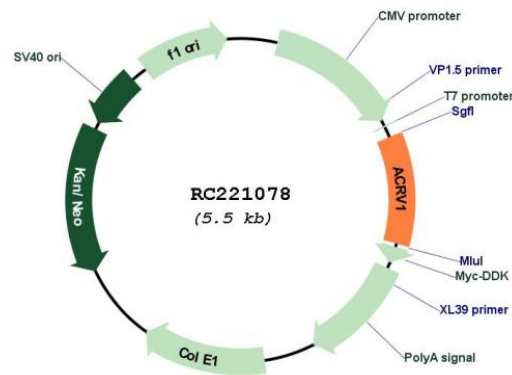
MNRFLLLMSLYLLGSARGTSSQPNELSGSIDHQTSVQQLPGEQPSGEQPSGEHLSGEQPLSELESGEQPS  
DEQPSGEHGSGEQPSGEQASGEQPSGEHSGEASGAPISSTSTGTILNICYTCAVMNDQKCLRGEGTCTI  
TQNSQQCMLKKIFEGGKLQFMVQGCENMCPMSNLF SHGTRMQIICCRNQSFCKI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_020108

**ORF Size:** 585 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_020108.5](#)

**RefSeq Size:** 979 bp

**RefSeq ORF:** 588 bp

**Locus ID:** 56

**UniProt ID:** [P26436](#)

**Cytogenetics:** 11q24.2

**Protein Families:** Druggable Genome

**MW:** 20.9 kDa

**Gene Summary:** This gene encodes a testis-specific, differentiation antigen, acrosomal vesicle protein 1, that arises within the acrosomal vesicle during spermatogenesis, and is associated with the acrosomal membranes and matrix of mature sperm. The acrosomal vesicle protein 1 may be involved in sperm-zona binding or penetration. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2010]