

## Product datasheet for **RG221078**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ACRV1 (NM\_020108) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ACRV1  
**Synonyms:** D11S4365; SP-10; SPACA2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG221078 representing NM\_020108  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACAGGTTTCTCTTGCTAATGAGTCTTTATCTGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTA  
 ATGAGCTTTCTGGCTCCATAGATCATCAAACCTCAGTTCAGCAACTCCAGGTGAGCAGCCTTCAGGAGA  
 ACAGCCTTCAGGTGAACACCTCTCCGGAGAACAGCCTTTGAGTGAGCTTGAGTCAGGTGAACAGCCTTCA  
 GATGAACAGCCTTCAGGTGAACATGGCTCCGGTGAACAGCCTTCTGGTGAGCAGGCTCCGGTGAACAGC  
 CTTTCAGGTGAGCAGCCTTCAGGGGAACAGGCTTCAGGTGCACCAATTTCAAGCACATCTACAGGCACAAT  
 ATTAATGCTACACATGTGCTTATATGAATGATCAAGGAAAATGTCTTCTGGTGGAGGGAACTGCATC  
 ACTCAGAATCCAGCAGTGCATGTTAAAGAAGATCTTTGAAGGTGAAAACTCCAATTCATGGTTCAAG  
 GGTGTGAGAACATGTGCCATCTATGAACCTCTTCTCCATGGAACGAGGATGCAAAATTATATGCTGTGC  
 AAATCAATCTTTCTGCAATAAGATC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG221078 representing NM\_020108  
 Red=Cloning site Green=Tags(s)

MNRFLLLMSLYLLGSARGTSSQPNELSGSIDHQTSVQQLPGEQPSGEQPSGEHLSGEQPLSELESGEQPS  
 DEQPSGEHGSGEQPSGEQASGEQPSGEHASGEQASGAPISSTSTGTLNLCYTCAYMNDQGKCLRREGTCI  
 TQNSQQMLKKIFEGGKLFMVQGCENMCPMNLFSHGTRMQIIICRNQSFCKNI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

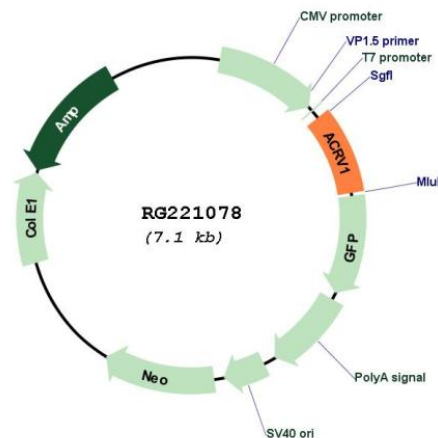


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Cloning Scheme:



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

**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]