

## Product datasheet for RC214487

### ACRV1 (NM\_020113) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ACRV1 (NM\_020113) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ACRV1  
**Synonyms:** acrosomal vesicle protein 1; D11S4365; SP-10; SPACA2; sperm protein 10  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC214487 representing NM\_020113  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACAGGTTTCTCTTGCTAATGAGTCTTTATCTGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTA  
ATGAGCTTTCTGGCTCCATAGATCATCAAACCTCAGTTCCAGCACTTCCAGGTGAGCAGCCTTCAGGAGA  
ACAGCCTTCAGGTGAACACCTCTCCGGAGAACAGCCTTTGAGTGAGCTTGAGTCAGGTGAACAGCCTTCA  
GATGAACAGCCTTCAGGTGAACATGGCTCCGGTGAACAGCCTTCTGGTGAGCAGGCCTCGGGTGAACAGC  
CTTCAGGTGAGCACGCTTCAGGGGAACAGGCTTCAGGTGCACCAATTTCAAGCACATCTACAGGTGGAAA  
ACTCCAATTCATGGTTCAAGGGTGTGAGAACATGTGCCCATCTATGAACCTTTCTCCCATGGAACGAGG  
ATGCAAATTATATGCTGTCGAAATCAATCTTTCTGCAATAAGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC214487 representing NM\_020113  
Red=Cloning site Green=Tags(s)  
MNRFLLLMSLYLLGSARGTSSQPNELSGSIDHQT SVQQLPGEQPSGEQPSGEHLSGEQPLSELESGEQPS  
DEQPSGEHGSGEQPSGEQASGEQPSGEHSGEASGAPISSTSTGGKLFMVQGCENMCPMSMLNLSHGTR  
MQIICCRNQSFCKI

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6114\\_h12.zip](https://cdn.origene.com/chromatograms/mk6114_h12.zip)



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_020113

ORF Size: 465 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\\_020113.3](#), [NP\\_064498.1](#)

RefSeq Size: 1008 bp

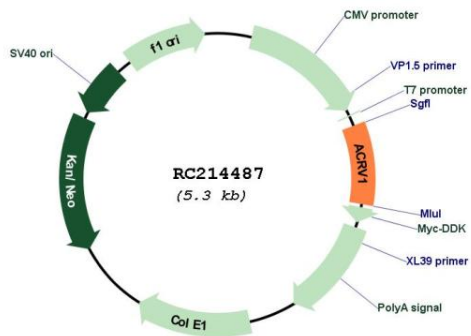
RefSeq ORF: 467 bp

Locus ID: 56

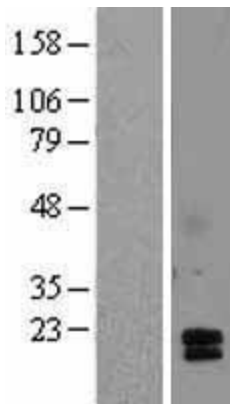
**Cytogenetics:** 11q24.2  
**Protein Families:** Druggable Genome  
**MW:** 14 kDa

**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]

**Product images:**



Circular map for RC214487



Western blot validation of overexpression lysate (Cat# [LY402748]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214487 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).