

## Product datasheet for **RC222483**

### ACRV1 (NM\_020107) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ACRV1 (NM\_020107) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ACRV1  
**Synonyms:** D11S4365; SP-10; SPACA2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC222483 representing NM\_020107  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACAGGTTTCTCTTGCTAATGAGTCTTTATCTGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTA  
 ATGAGCTTTCTGGCTCCATAGATCATCAAACCTTCAGTTCCAGCACTTCCAGGTGAGCCCCGCTGCGACTGA  
 ACATGCTGAAGGTGAGCATACTGTAGGTGAGCAGCCTTCAGGAGAACAGCCTTCAGGTGAACACCTCTCC  
 GGAGAACAGCCTTTGAGTGAGCTTGTAGTGAACAGCCTTCAGATGAACAGCCTTCAGGTGAACATG  
 GCTCCGGTGAACAGCCTTCTGGTGAACAGCCTTCAGGTGAGCAGCCTTCAGGGGA  
 ACAGGCTTCAGGTGCACCAATTTCAAGCAGCATCTACAGGCACAATATTAATTGCTACACATGTGCTTAT  
 ATGAATGATCAAGGAAAATGTCTTCGTGGAGAGGGAACCTGCATCACTCAGAATCCCAGCAGTGCATGT  
 TAAAGAAGATCTTTGAAGGTGGAAAACCTCAATTCATGGTTCAAGGGTGTGAGAACATGTGCCCATCTAT  
 GAACCTCTTCCATGGAACGAGGATGCAAAATATATGCTGTCGAAATCAATCTTTCTGCAATAAGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC222483 representing NM\_020107  
 Red=Cloning site Green=Tags(s)

MNRFLLLMSLYLLGSARGTSSQPNELSGSIDHQTSVQQLPGPEATEHAEGEHTVGEQPSGEGPSGEHLS  
 GEQPLSELESGEQPSDEQPSGEHGSGEQPSGEQASGEQPSGEHASGEQASGAPISSTSTGTILNCYTCAY  
 MNDQGKCLRGEGETCITQNSQQCMLKKIFEGGKLFMVQGCENMCP SMNLF SHGTRMQIICCRNQSFCKNI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6488\\_b01.zip](https://cdn.origene.com/chromatograms/mk6488_b01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020107

**ORF Size:** 630 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\\_020107.5](#)

**RefSeq Size:** 1173 bp

**RefSeq ORF:** 633 bp

**Locus ID:** 56

UniProt ID: [P26436](#)

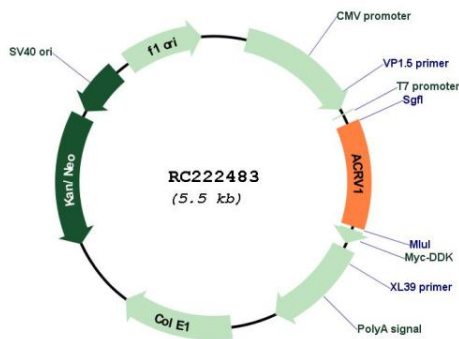
Cytogenetics: 11q24.2

Protein Families: Druggable Genome

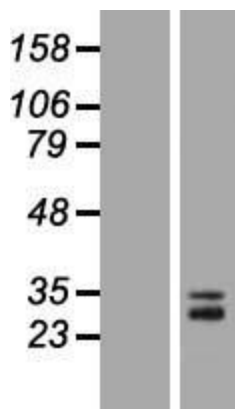
MW: 20 kDa

**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]

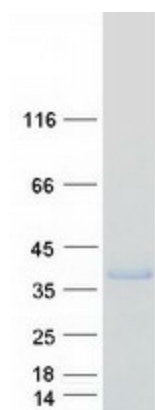
**Product images:**



Circular map for RC222483



Western blot validation of overexpression lysate (Cat# [LY412644]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222483 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ACRV1 protein (Cat# [TP322483]). The protein was produced from HEK293T cells transfected with ACRV1 cDNA clone (Cat# RC222483) using MegaTran 2.0 (Cat# [TT210002]).