

Product datasheet for **RC214263**

ACRV1 (NM_020069) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACRV1 (NM_020069) 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: >RC214263 representing NM_020069
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACAGGTTTCTCTTGCTAATGAGTCTTTATCTGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTA
ATGAGCTTTCTGGCTCCATAGATCATCAAACCTCAGTTCAGCAACTTCCAGGTGAGTTCTTTTCACTTGA
AAACCTTCTGATGCTGAGGCTTTATATGAGACTTCTCAGGCCGAACACTTTAAGTGAGCATGGTTCC
AGTGAGCATGGTTCAAGCAAGCACACTGTGGCCGAGCACACTTCTGGAGAACATGCTGAGAGTGAGCATG
CTTCAGGTGAGCCCGCTGCGACTGAACATGCTGAAGGTGAGCATACTGTAGGTGAGCAGCCTTCAGGAGA
ACAGCCTTCAGGTGAACACCTCTCCGGAGAACAGCCTTTGAGTGAGCTTGAAGTGAACAGCCTTCA
GATGAACAGCCTTCAGGTGAACATGGCTCCGGTGAACAGCCTTCTGGTGAGCAGGCTCGGGTGAACAGC
CTTCAGGCACAATATTAATGCTACACATGTGCTTATATGAATGATCAAGGAAAATGTCTTCGTGGAGA
GGGAACCTGCATCACTCAGAATCCCAGCAGTGCATGTTAAAGAAGATCTTTGAAGGTGGAAAATCCAA
TTCATGGTTCAAGGGTGTGAGAACATGTGCCATCTATGAACCTTCTCCCATGGAACGAGGATGCAAA
TTATATGCTGTCGAAATCAATCTTTCTGCAATAAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC214263 representing NM_020069
Red=Cloning site Green=Tags(s)

MNRFLLLMSLYLLGSARGTSSQPNELSGSIDHQTSVQQLPGEFFSLENPSDAEALYETSSGLNLTSEHGS
 SEHGSSKHTVAEHTSGEHAESEHASGEPAAEHAEGEHTVGEQPSGEQPSGEHLSGEQPLSELSGEQPS
 DEQPSGEHGSGEQPSGEQASGEQPSGTILNICYTCAYMNDQGKCLRGEGETCITQNSQQCMLKKIFEGGKLG
 FMVQGCENMCPMNLFSHGTRMQIICRNQSFCKNI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6488_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020069

ORF Size: 738 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_020069.5](#)

RefSeq Size: 1281 bp

RefSeq ORF: 741 bp

Locus ID: 56

UniProt ID: [P26436](#)

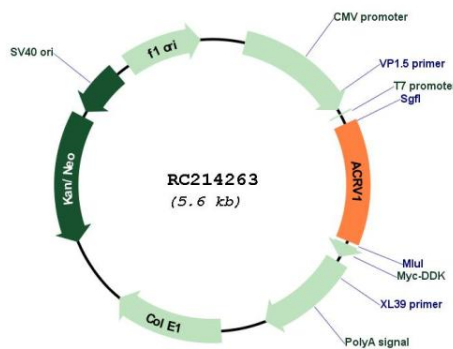
Cytogenetics: 11q24.2

Protein Families: Druggable Genome

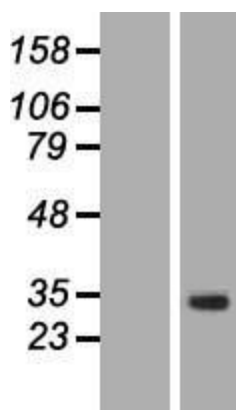
MW: 24 kDa

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 RC214263



Western blot validation of overexpression lysate (Cat# [LY412655]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214263 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).