

Product datasheet for **RC213557**

ACRV1 (NM_020110) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACRV1 (NM_020110) 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: >RC213557 representing NM_020110
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACAGGTTTCTCTTGCTAATGAGTCTTTATCTGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTA
ATGAGCTTTCTGGCTCCATAGATCATCAAACCTCAGTTCAGCAACTCCAGGCACAATATTAATTTGCTA
CACATGTGCTTATGAATGATCAAGGAAATGTCTTCGTTGGAGAGGGAACCTGCATCACTCAGAATTCC
CAGCAGTGCATGTTAAAGAAGATCTTTGAAGGTGAAAACCTCAATTCATGGTTCAAGGGTGTGAGAACA
TGTGCCATCTATGAACCTCTTCTCCCATGGAACGAGGATGCAAATTATGCTGTGAAATCAATCTTT
CTGCAATAAGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213557 representing NM_020110
Red=Cloning site Green=Tags(s)
MNRFLLLMSLYLLGSARGTSSQPNELSGSIDHQTSVQQLPGTILNCYTCAYMNDQKCLRGEGETCITQNS
QQMLKKIFEGGKLFMVQGCENMCPSMNLF SHGTRMQIIICRNQSFCKNI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6503_c12.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_020110

ORF Size: 363 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_020110.3](#), [NP_064495.1](#)

RefSeq Size: 906 bp

RefSeq ORF: 365 bp

Locus ID: 56

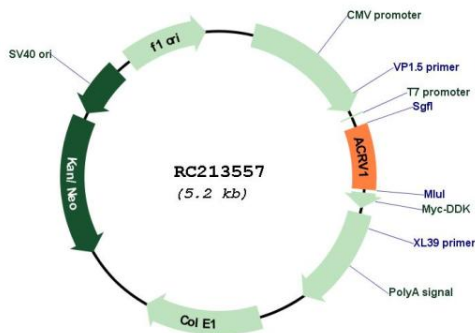
Cytogenetics: 11q24.2

Protein Families: Druggable Genome

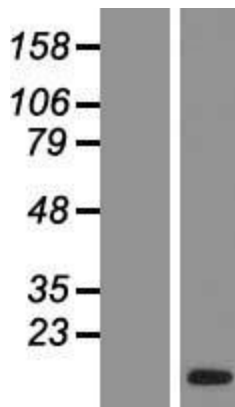
MW: 11.2 kDa

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 RC213557



Western blot validation of overexpression lysate (Cat# [LY412647]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213557 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ACRV1 protein (Cat# [TP313557]). The protein was produced from HEK293T cells transfected with ACRV1 cDNA clone (Cat# RC213557) using MegaTran 2.0 (Cat# [TT210002]).