

Product datasheet for **RG214487**

ACRV1 (NM_020113) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACRV1 (NM_020113) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ACRV1
Synonyms: acrosomal vesicle protein 1; D11S4365; SP-10; SPACA2; sperm protein 10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG214487 representing NM_020113
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACAGGTTTCTCTTGCTAATGAGTCTTTATCTGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTA
 ATGAGCTTTCTGGCTCCATAGATCATCAAACCTTCAGTTCAGCAACTTCAGGTGAGCAGCCTTCAGGAGA
 ACAGCCTTCAGGTGAACACCTCTCCGGAGAACAGCCTTTGAGTGAGCTTGAGTCAGGTGAACAGCCTTCA
 GATGAACAGCCTTCAGGTGAACATGGCTCCGGTGAACAGCCTTCTGGTGAGCAGGCTCCGGTGAACAGC
 CTTCAGGTGAGCAGCCTTCAGGGGAACAGGCTTCAGGTGCACCAATTTCAAGCACATCTACAGGTGGAAA
 ACTCCAATTCATGGTTCAAGGGTGTGAGAACATGTGCCCATCTATGAACCTTTCTCCCATGGAACGAGG
 ATGCAAATTATATGCTGTGAAATCAATCTTTCTGCAATAAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214487 representing NM_020113
 Red=Cloning site Green=Tags(s)

MNRFLLLSLYLLGSARGTSSQPNELSGSIDHQTSVQQLPGEQPSGEQPSGEHLSGEQPLSELESGEQPS
 DEQPSGEHGSGEQPSGEQASGEQPSGEHASGEQASGAPISSTSTGGKQLQFMVQGCENMCPMNLFSHGTR
 MQIICCRNQSFCKI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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

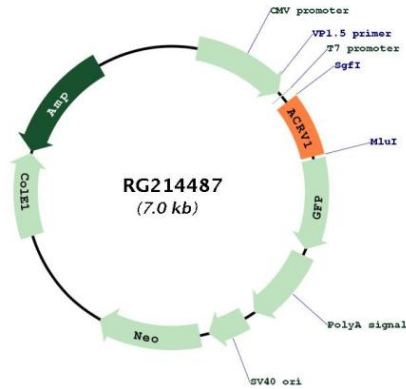
Locus ID: 56

Cytogenetics: 11q24.2

Protein Families: Druggable Genome

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 RG214487