

Product datasheet for **RG213557**

ACRV1 (NM_020110) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACRV1 (NM_020110) 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: >RG213557 representing NM_020110
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACAGGTTTCTCTTGCTAATGAGTCTTTATCTGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTA
ATGAGCTTCTGGCTCCATAGATCATCAAACCTCAGTTCAGCAACTCCAGGCACAATATTAATTGCTA
CACATGTGCTTATGAATGATCAAGGAAATGTCTTCGTGGAGAGGGAACCTGCATCACTCAGAATTCC
CAGCAGTGCATGTTAAAGAAGATCTTTGAAGGTGAAAACCTCAATTCATGGTTCAAGGGTGTGAGAACA
TGTGCCCATCTATGAACCTCTTCTCCCATGGAACGAGGATGCAAATTATATGCTGTGAAATCAATCTTT
CTGCAATAAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213557 representing NM_020110
Red=Cloning site Green=Tags(s)
MNRFLLLMSLYLLGSARGTSSQPNELSGSIDHQTSVQQLPGTILNCYTCAYMNDQKCLRGEGETCITQNS
QQCMLKKIFEGGKQLQFMVQGCENMCPMNLFSHGTRMQIICCRNQSFCKNI

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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.

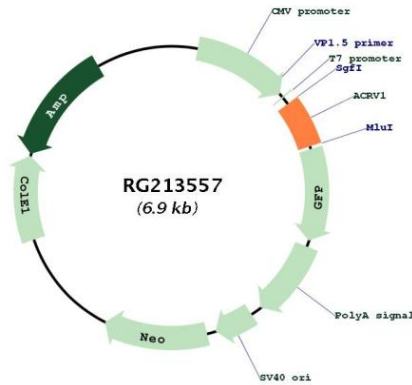
RefSeq: [NM_020110.3](#), [NP_064495.1](#)

RefSeq Size: 906 bp

RefSeq ORF: 365 bp

Locus ID: 56
Cytogenetics: 11q24.2
Protein Families: Druggable Genome
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 RG213557