

Product datasheet for **SC304706**

ACRV1 (NM_020114) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACRV1 (NM_020114) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACRV1
Synonyms:	acrosomal vesicle protein 1; D11S4365; SP-10; SPACA2; SPACA2, D11S4365; sperm protein 10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_020114 edited CTTTAGCACTGGAAGCTTTTGCTCGCAGTTTGCTTCATAGCTCTGTGAAGAAGCTGTGGC CCACACTGGGGTCCCCTCTTTTCTAAATCCAGATGAACAGGTTTCTCTTGCTAATGAGT CTTTATCTGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTAATGAGCTTTCTGGCTCC ATAGATCATCAAACCTCAGTTCAGCAACTTCCAGGTGAGCAGGCCTCGGGTGAACAGCCT TCAGGTGAGCACGCTTCAGGGGAACAGGCTTCAGGTGCACCAATTTCAAGCACATCTACA GGCACAATATTAATGCTACACATGTGCTTATATGAATGATCAAGGAAAATGTCTTCGT GGAGAGGGAACTGCATCACTCAGAATCCCAGCAGTGCATGTTAAAGAAGATCTTTGAA GGTGGAAAACCTCAATTCATGGTTCAAGGGTGTGAGAACATGTGCCCATCTATGAACCTC TTCTCCCATGGAACGAGGATGCAAATTATGCTGTGCAAAATCAATCTTTCTGCAATAAG ATCTAGAAGCCTGGGCCCTTGCTTGTGTTTACTCAGGCAGTAAAAAGCCTCCATCACTCT ATTTGGCTCATTTTATATTTAGTTCCTTCCCAGTCAACAACAGCACATCTGCCTCTG CCTGAGCATTAGGATGCTCAAACATCCTATCTTTCTTCTTCTATTTCATGCTTTTATCCAT TCTTCTGTCTGCTTCCCTGCTCCAACCTTTCTCTCAATATTCCTGATTTTTTTTT CAATAAATTTACATGGTTAAAGCAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_020114 unedited GTTCAAATTTGTATACGACTCATATAGGCGGCCGATAAATTCGTATAGCATACATTATA CGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGCTTTAGCA CTGGAAGCTTTTCTCGCAGTTTCTTCATAGCTCTGTGAAGAAGCTGTGGCCACACTG GGGTCCCTCTTTTCTAAATCCAGATGAACAGGTTTCTTCTGCTAATGAGTCTTTATCT GCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTAATGAGCTTTCTGGCTCCATAGATCA TCAAACCTCAGTTCAGCAACTTCCAGGTGAGCAGGCCCTCGGGTGAACAGCCTTCAGGTGA GCACGCTTCAGGGGAACAGGCTTCAGGTGCACCAATTTCAAGCACATCTACAGGCACAAT ATTAATTTGCTACACATGTGCTTATATGAATGATCAAGGAAAATGTCTTCGTGGAGAGGG AACCTGCATCACTCAGAATCCCAGCAGTGCATGTTAAAGAAGATCTTTGAAGGTGGAAA ACTCCAATTCATGGTTCAAGGGTGTGAGAACATGTGCCATCTATGAACCTCTTCTCCA TGGAACGAGGATGCAAATATATGCTGTCGAAATCAATCTTTCTGCAATAAGATCTAGAA GCCTGNGCCCTTGCTTGTNTGACTCANGCAGTAAAAAGCCTCCATCACTCTATTTGGCT CATTTTATATTTAGTTCCCTTNCCTCAGTCAACAAGTACCACATCTGCCTCTGCCTGAAG CATTAGATGCTCAAACATCCTAATCTTTCTTCTTCTATTTCATGCTTTTTATCCAT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020114 unedited CCATGGGATGGCACTTCAGGCCAGAAGCACTGGGGAGGGTAAGGGTGCCACCCGGGATCT GTTAGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGACAAGCTTGATATCGGTACCG GGCCCCCCTCGAAGGATCAGGCCCTTATGGCCGGATCCAGCGCTGGAGAGTTTTTTTTT TTTTTTGCTTTAACCATGTGAAATTTATTGAAAAAAAAATCAGGAATATTGAGAGAAAGA GTTGGAGCAGGGAAGACAGGACAGAGAAGAATGGATAAAAGCATGAATAGAAGAAGAAAG ATAGGATGTTTGGAGCATCCTAATGCTCAGGCAGAGGCAGATGTGGTCAGTTGTTGACTGG GGAAGGAACTAAATATAAAATGAGCCAAATAGAGTGATGGAGGCTTTTTACTGCCTGAGT CAAACAAGCAAGGGCCAGGCTTCTAGATCTTATTGCAGAAAGATTGATTTTCGACAGCA TATAATTTGCATCCTCGTTCATGGGAGAAGAGGTTTCATAGATGGGCACATGTTCTCACA CCCTTGAACCATGAATTTGGAGTTTTCCACCTTCAAAGATCTTCTTTAACATGCACTGCTG GGAATTCAGTGTGCAAGTTCCTCTCCACGAAGACATTTTCTTGTATCATTATATA AGCACATGTGTAGCAATTAATATTGTGCTGTAGATGTGCTTGAATTTGGTGCACCTGA AGCCTGTTCCCTGAAGCGTGCTCACCTGAAAGCTGTTACCCGAGGCCTGCTCACCTGG AAGTTGCTGAAGTGAAGTTTGTATGATCTATGGAGCCAGAAAGCTCATTTAGCTGACTTGA TGTTCTCTGGCNGATCCAGCCGATAAGACTCATTAGCCAGAGAAACTGTTTCATCTGGA TTTAC</p>
Restriction Sites:	Please inquire
ACCN:	NM_020114
Insert Size:	800 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_020114.3](#), [NP_064499.2](#)

RefSeq Size: 993 bp

RefSeq ORF: 993 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]
Transcript Variant: This variant (9) lacks two fragments of 210 and 135 nt in exon II, as compared to variant 1. Isoform i encoded by this variant is 80 aa shorter than isoform a encoded by variant 1.