

Product datasheet for **SC304702**

ACRV1 (NM_020110) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACRV1 (NM_020110) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACRV1
Synonyms:	acrosomal vesicle protein 1; D11S4365; SP-10; SPACA2; 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_020110 edited

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GCCCCAACACACTACCCTGCACACAGAAAATAATCATTGGTCTTCACTAGTGAAATAAGC
AGTGGGTTGCTAAGGGCCAACCTTGCCTGAACAGGCTACACAAGAACCTCAGAGCCCAACC
CATTGTGAAGAAACATGGGTTACTTCTGAGGTTCTAGAATCCCAGAAGCTCTGCTTCAG
CACTGGAAGCTTTTGCTCGCAGTTTGTTCATAGCTCTGTGAAGAAGCTGTGGCCACAC
TGGGGTCCCCTCTTTTCTAAATCCAGATGAACAGGTTTCTTTGCTAATGAGTCTTTAT
CTGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTAATGAGCTTTCTGGCTCCATAGAT
CATCAAATTCAGTTCAGCAACTCCAGGCACAATATTAATTTGCTACACATGTGCTTAT
ATGAATGATCAAGGAAAATGTCTTCGTGGAGAGGGAACCTGCATCACTCAGAATCCCAG
CAGTGCATGTTAAAGAAGATCTTTGAAGGTGAAAACTCCAATTCATGGTTCAAGGGTGT
GAGAACATGTGCCATCTATGAACCTCTTCTCCATGGAACGAGGATGCAAATTATATGC
TGTCGAAATCAATCTTTCTGCAATAAGATCTAGAAGCCTGGGCCCTTGCTTGTTTTGACT
CAGGCAGTAAAAAGCCTCCATCACTCTATTTGGCTCATTTTATATTTAGTTCCCTCCCA
GTCAACAACACTGACCACATCTGCCTCTGCCTGAGCATTAGGATGCTCAAACATCCTATCTT
TCTTCTTATTATCATGCTTTTATCCATTCTTCTGTCTGTCTTCCCTGCTCCAACCTCT
TTCTCTCAATATTCCTGATTTTTTTTTTCAATAAATTTACATGGTTAAAGCAAAAAAAAA
AAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020110 unedited GTATAGAATTTGTATACGACTCATATAGGCGGCCGATAAAGTTCGTATAGCATACATTAT ACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGCTTTAGC ACTGGAAGCTTTTGTCTCGAGTTTGCTTCATAGCTCTGTGAAGAAGCTGTGGCCACACT GGGGTCCCCTCTTTCTAAATCCAGATGAACAGGTTTCTTTGCTAATGAGTCTTTATC TGCTTGGATCTGCCAGAGGAACATCAAGTCAGCCTAATGAGCTTTCTGGCTCCATAGATC ATCAAATTCAGTTCAGCAACTCCAGGCACAATATTAATTTGCTACACATGTGCTTATA TGAATGATCAAGGAAAATGCTTTCGTGGAGAGGGAACCTGCATCACTCAGAATTCACAGC AGTGCATGTTAAAGAAGATCTTTGAAGGTGAAAACTCCAATTCATGGTTCAAGGTGTG AGAACATGTGCCATCTATGAACCTCTTCTCCATGGAACGAGGATGCAAATTATATGCT GTCGAAATCAATCTTTCTGCAATAAGATCTAGAAGCCTGNGCCCTTGCTTGTGTTGACTC AGGCAGTAAAAAGCCTCCATCACTCTATTTGGCTATTTTATATTTAGTTCCTTCCCAG TCAACAATGACCACATCTGCCTCTGCCTGAGCATTAGGATGCTCANACATCCTATCTTT CTTCTTCTATTGCTTTTATCCATTCTCTCTGTCTGCTTCCCTGCTCCAACCTCTT TCTCTCAATATTCTGATTTTTTTTTTCAATAAATTTACATGGGTAAAGCN
Restriction Sites:	Please inquire
ACCN:	NM_020110
Insert Size:	900 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:	<ol style="list-style-type: none"> 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:	<u>NM_020110.3</u> , <u>NP_064495.1</u>
RefSeq Size:	906 bp
RefSeq ORF:	366 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 (10) lacks a 432 nt fragment at the 3'-terminus of the exon II. The isoform j encoded by this variant is 144 aa shorter than isoform a encoded by variant 1.