

## Product datasheet for **SC122232**

### DAZL (BC027595) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DAZL (BC027595) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAZL
Synonyms:	DAZH; DAZL1; DAZLA; deleted in azoospermia-like; deleted in azoospermia-like autosomal; germline specific RNA binding protein; MGC26406; spermatogenesis gene on the Y-like autosomal; SPGYLA
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for BC027595 edited
ATTGGCTGAGGCCGATACCACGCGCCCCGATACCCGGCGCAGGAGCCACCTCCCTGAGCC
CCGCGGACCACGCCTCAGTCCGCTGCGCTCCTCAGCCTGACGGTCCGCCTTTCCGGGGCT
CCTCAGCCTTGTACCCGCTCTTGGTTTTCTTTCTCTTCATCTTTGGCTCCTTTGACC
ACTCGAAGCCGCGCAGCGGGTCCAGTGGACCTCACAGCAGCCCCAGAAGTGGTGCGCCA
AGCACAGCCTCTGCTCCTCCTCGAGCCGGTCGGGAAGTCTGCTGCCGCGCCATCATGTCT
ACTGCAAATCCTGAAACTCCAAACTCAACCATCTCCAGAGAGGCCAGCACCCAGTCCCTCA
TCAGTGC AACCAAGGCTATATTTTACCAGAAGGCAAAATCATGCCAAACTGTT
TTTGGTGGAGGAATTGATGTTAGGATGGATGAAACTGAGATTAGAAGCTTCTTTGCTAGA
TATGGTTCAGTGAAGAAGTGAAGATAACTACTGATCGAACTGGTGTGTCCAAAGGCTAT
GGATTTGTTTCATTTTTAATGACGTGGATGTGCAGAAGATAGTAGAATCACAGATAAAT
TTCCATGGTAAAAAGCTGAAGCTGGGCCCTGCAATCAGGAAACAAAATTTATGTGCTTAT
CATGTGCAGCCACGTCTTTGGTTTTAATCATCTCCTCCACCACAGTTTCAGAATGTC
TGGACTAATCAAACACTGAAACTTATATGCAGCCACAACCACGATGAATCCTATAACT
CAGTATGTT CAGGCATATCCTACTTACCCAAATTCACCAGTTCAGGTCATCACTGGATAT
CAGTTGCCTGTATATAATTATCAGATGCCACCACAGTGGCTGTTGGGGAGCAAAGGAGC
TATGTTGTACCTCCGGCTTATTAGCTGTTAACTACCACTGTAATGAAGTTGATCCAGGA
GCTGAAGTTGTGCCAAATGAATGTT CAGTTCATGAAGCTACTCCACCCTCTGAAATGGC
CCACAAAAGAAATCTGTGGACCGAAGCATACAAACGGTGGTATCTTGTCTGTTTAAATCCA
GAGAACAGACTGAGAACTCTGTGTTACTCAAGATGACTACTTCAAGGATAAAAAGAGTG
CATCACTTTAGAAGAAGTCGGCAATGCTTAAATCTGTTGATCCTCCTGGCTTATCTAG
TTACATGGGAAGTTGCTGGTTTTGAATATTAAGCTAAAAGGTTTCCACTATTATAGAAAT
TCTGAATTTTGGTAAATCACACTCAAACCTTTGTGTATAAGTTGTATTATTAGACTCTCA
GTTTTATCTTAAACTGTTCTTCATTAGATGTTTTATTTAGAAACTGGTTCGTGTTGAAAT
ATAGTTGAAAGTAAAAAATAATTGAGACTGAAAGAACTAAGATTTATCTGCAAGGATT
TTTTAAAAATTTGGCATTTTAAGTGTTTAAAAGCAAATACTGATTTTCAAAAAATGTTTT
TAAAAACCTATTTTGAAGGTCAGAATTTTGGTGGTCTGAATACAAACATTTCACTTCTC
CAACAAGTACCTGTGAACAGTACAGTATTTACAGTATTGAGCTTTGCATTTATGATTTCT
CCAGAAATTTACCACAAAAGCAAATTTTAAAACCTGCATTTTAAATCAGTGGAACTCAA
TATATAGTTAGCTTTATTGAAGTCTTCTTATCTAAACCCAGCAAAACAGATTCAAAGCAA
ACAGTCCAATCAGTGGGT CATATGTTTATCAAATATTTTATCTTTTAGCTAGAATCCA
CACATATATATCCTATTTGATTAGGGTAGTAATTAGGATAACTAAAATCTGGGCCTAAT
TTTTTAAAGAATCCAAGACAAACTAAACTTTACTAGGTACATAAGCTTCTCAATGAGTCA
CCATTCTCTTTTTTGTAAAACTTTTTCTTTGAAATGCTAAACTTGGCTGTATGTCAA
ATTGTGCAAAATATTGTTATTAAGAATGCTGCAACTTTAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC027595 unedited GTTTGGGATTTGTAATACGACTCACTATAGGGCGGCCGCATAACTTCGTATAGCATAACAT TATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGATTGG CTGAGGCCGATACCACGCGCCCCGATACCCGGCGCATGAGCCACCTCCCTGAGCCCCGCG GACCACGCCTCAGTCCGCTGCGCTCCTCAGCCTGACGGTCCGCCTTTGCGGGCTCCTCA GCCTTGTACCCGCTCTTGGTTTTCTTTCTCTTCATCTTTGGCTCCTTTGACCACTCG AAGCCGCGCAGCGGGTTCCAGTGGACCTCACAGCAGCCCCAGAAGTGGTGCGCCAAGCAC AGCCTCTGCTCCTCCTCGAGCCGGTCGGAACTGCTGCCTGCCGCATCATGTCTACTGC AAATCCTGANACTCCAACTCAACCATCTCCAGAGAGGCCAGCACCCAGTCTCATCAGC TGCAACCAGCCAAGGCTATATTTTACCAGAAGGCATAATCATGCCAAACACTGTTTTTGT TGGAGGAATTGATGTTAGGATGGATGAACTGAGATTAGAAGCTTCTTTGCTAGATATGG TTCAGTAAAGAAGTGAAGATAACTACTGATCGAACTGGTGTGCCAAAGGCTATGGATT TGTTTTATTTTTAATGACGTGGATGTGCAGAAGATAGTAGAATCACAGATAAATTTCCA TGGTAAAAAGCTGAAGCTGGGCCCTGCATCAGGANACANAATTTATGTGCTTATCATGT GCAGCCACGTCTTTGGNTTTAATCATCTCCTNCACCACAGTTTNCAGATGTCTGGAC TAATCCAACACTGAANCTTATATGCAGCCCCACACCACGATGAATCCTATNACTCAGTAT GTTCAGGCATATCTACTTTACCAATTNCACAGTTCAGG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC027595
<b>Insert Size:</b>	2038 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">BC027595.2</a></u> , <u><a href="#">AAH27595.1</a></u>
<b>RefSeq Size:</b>	2033 bp
<b>Locus ID:</b>	1618
<b>Cytogenetics:</b>	3p24.3

**Gene Summary:**

The DAZ (Deleted in AZoospermia) gene family encodes potential RNA binding proteins that are expressed in prenatal and postnatal germ cells of males and females. The protein encoded by this gene is localized to the nucleus and cytoplasm of fetal germ cells and to the cytoplasm of developing oocytes. In the testis, this protein is localized to the nucleus of spermatogonia but relocates to the cytoplasm during meiosis where it persists in spermatids and spermatozoa. Transposition and amplification of this autosomal gene during primate evolution gave rise to the DAZ gene cluster on the Y chromosome. Mutations in this gene have been linked to severe spermatogenic failure and infertility in males. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]