

Product datasheet for **SC327996**

DAZ1 (NM_004081) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAZ1 (NM_004081) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAZ1
Synonyms:	DAZ; SPGY
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_004081, the custom clone sequence may differ by one or more nucleotides <pre> ATGTCTGCTGCAAATCCTGAGACTCCAACTCAACCATCTCCAGAGAGGCCAGCACCCAG TCTTCATCAGCTGCAGCTAGCCAAGGCTGGGTGTTACCAGAAGGCAAAATCGTGCCAAAC ACTGTTTTTGTGGTGAATTGATGCTAGGATGGATGAACTGAGATTGGAAGCTGCTTT GGTAGATACGGTTCAGTGAAGAAGTGAAGATAATCACGAATCGAACTGGTGTGTCCAAA GGCTATGGATTTGTTTCGTTTGTTAATGACGTGGATGTCCAGAAGATAGTAGGATCACAG ATACATTTCCATGGTAAAAAGCTGAAGCTGGGCCCTGCAATCAGGAAACAAAAGTTATGT GCTCGTCATGTGCAGCCACGTCCTTTGGTAGTTAATCCTCCTCCTCCACCACAGTTTCAG AACGTCTGGCGGAATCCAAACACTGAAACCTACCTGCAGCCCCAAATCACGCCGAATCCT GTAACCTCAGCACGTTTCAGTCTGTGCAAACTCCTGAGACTCCAACTCAACCATCTCCAGA GAGGCCAGCACCCAGTCTTCATCAGCTGCAGCTAGCCAAGGCTGGGTGTTACCAGAAGGC AAAATCGTGCCAAACACTGTTTTTGTGGTGAATTGATGCTAGGATGGATGAACTGAG ATTGGAAGCTGCTTTGGTAGATACGGTTCAGTGAAGAAGTGAAGATAATCACGAATCGA ACTGGTGTGTCCAAAGGCTATGGATTTGTTTCGTTTGTTAATGACGTGGATGTCCAGAAG ATAGTAGGATCACAGATACATTTCCATGGTAAAAAGCTGAAGCTGGGCCCTGCAATCAGG AAACAAAAGTTATGTGCTCGTCATGTGCAGCCACGTCCTTTGGTAGTTAATCCTCCTCCT CCACCACAGTTTCAGAACGTCTGGCGGAATCCAAACACTGAAACCTACCTGCAGCCCCAA ATCACGCCGAATCCTGTAACCTCAGCACGTTTCAGTCTGTGCAAACTCCTGAGACTCCAAAC TCAACCATCTCCAGAGAGGCCAGCACCCAGTCTTCATCAGCTGCAGCTAGCCAAGGCTGG GTGTTACCAGAAGGCAAAATCGTGCCAAACACTGTTTTTGTGGTGAATTGATGCTAGG ATGGATGAAACTGAGATTGGAAGCTGCTTTGGTAGATACGGTTCAGTGAAGAAGTGAAG ATAATCACGAATCGAATGGTGTGTCCAAAGGCTATGGATTTGTTTCGTTTGTTAATGAC GTGGATGTCCAGAAGATAGTAGGATCACAGATACATTTCCATGGTAAAAAGCTGAAGCTG GGCCCTGCAATCAGGAAACAAAAGTTATGTGCTCGTCATGTGCAGCCACGTCCTTTGGTA GTTAATCCTCCTCCTCCACCACAGTTTCAGAACGTCTGGCGGAATCCAAACACTGAAACC TACCTGCAGCCCCAAATCACGCCGAATCCTGTAACCTCAGCACGTTTCAGGCTTACTCTGCT TATCCACATTACCAAGGTCAGGTCATCACTGGATGTCAGTTGCTTGATATAATTATCAG GAATATCCTACTTATCCCGATTACGATTTTCAGGTCACCACTGGATATCAGTTGCCTGTA TATAATTATCAGCCATTTCTGCTTATCCAAGATCACCATTTTCAGGTCAGTCTGGATAT CAGTTGCCTGTATATAATTATCAGGCATTTCTGCTTATCCAAATTCACCATTTCAAGTC GCCACTGGATATCAGTTCCCTGTATACAATTATCAGCCATTTCTGCTTATCCAAGTTCA CCATTTTCAGGTCAGTCTGGATATCAGTTGCCTGTATATAATTATCAGGCATTTCTGCT TATCCAAATTCACCATTTCAAGTCGCCACTGGATATCAGTTCCCTGTATACAATTATCAG GCATTTCTGCTTATCCAAATTCACCAGTTCAGGTCACCACTGGATATCAGTTGCCTGTA TACAATTATCAGGCATTTCTGCTTATCCAAGTTCACCATTTTCAGGTCACCACTGGATAT CAGTTGCCTGTATATAATTATCAGGCATTTCTGCTTATCCAAATTCAGCAGTTTCAGGTC ACCACTGGATATCAGTTCCATGTATACAATTACCAGATGCCACCGCAGTGCCCTGTTGGG GAGCAAAGGAGAAATCTGTGGACCGAAGCATACAAATGGTGGTATCTTGTCTGTTAATC CAGAGAAGAGAC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_004081
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_004081.5 , NP_004072.3
RefSeq Size:	4419 bp
RefSeq ORF:	2235 bp
Locus ID:	1617
UniProt ID:	Q9NQZ3
Cytogenetics:	Yq11.223
Gene Summary:	This gene is a member of the DAZ gene family and is a candidate for the human Y-chromosomal azoospermia factor (AZF). Its expression is restricted to premeiotic germ cells, particularly in spermatogonia. It encodes an RNA-binding protein that is important for spermatogenesis. Four copies of this gene are found on chromosome Y within palindromic duplications; one pair of genes is part of the P2 palindrome and the second pair is part of the P1 palindrome. Each gene contains a 2.4 kb repeat including a 72-bp exon, called the DAZ repeat; the number of DAZ repeats is variable and there are several variations in the sequence of the DAZ repeat. Each copy of the gene also contains a 10.8 kb region that may be amplified; this region includes five exons that encode an RNA recognition motif (RRM) domain. This gene contains three copies of the 10.8 kb repeat. However, no transcripts containing three copies of the RRM domain have been described; thus the RefSeq for this gene contains only two RRM domains. [provided by RefSeq, Jul 2008]