

Product datasheet for **SC304749**

DAZ3 (NM_020364) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAZ3 (NM_020364) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAZ3
Synonyms:	pDP1679
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_020364 edited
 CAGCGGACTTCACCAGCAGACCCAGAAGTGGTGGGTGAAACACTGCCTCTGTTCTCCTT
 GAGCCTGTGCGGAGCTGCTGCCTGCCACCACCATGTCTGCTGCAAATCCTGAGACTCCAA
 ACTCAACCATCTCCAGAGAGGCCAGCACCCAGTCTTCATCAGCTGCAGCTAGCCAAGGCT
 GGGTGTTACCAGAAGGCAAAATCGTGCCAAACACTGTTTTTGTGGTGAATTGATGCTA
 GGATGGATGAACTGAGATTGGAAGCTGCTTTGGTAGATACGGTTCAGTGAAAGAAGTGA
 AGATAATCACGAATCGAACTGGTGTGTCCAAAGGCTATGGATTTGTTTCGTTTGTAAATG
 ACGTGGATGTCCAGAAGATAGTAGGATCACAGATACATTTCATGGTAAAAAGCTGAAGC
 TGGGCCCTGCAATCAGGAAACAAAAGTTATGTGCTCGTCATGTGCAGCCACGTCCTTTGG
 TAGTTAATCCTCCTCCTCCACCACAGTTTCAGAACGTCTGGCGGAATCCAAACACTGAAA
 CCTACCTGCAGCCCCAAATCACGCCGAATCCTGTAACCTCAGCACGTTCCAGGCTTACTCTG
 CTTATCCACATTACCAGGTGAGTTCATCACTGGATGTCAGTTGCTTGTATATAATTATC
 AGGAATATCCTACTTATCCCGATTACGATTTTCAGGTCAACCTGGATATCAGTTGCCTG
 TATATAATTATCAGCCATTTCTGCTTATCCAAGATCACCATTTTCAGGTCACTGCTGGAT
 ATCAGTTGCCTGTATATAATTATCAGGCATTTCTGCTTATCCAAATTCACCATTTCAAG
 TCGCCACTGGATATCAGTTCCCTGTATACAATTATCAGGCATTTCTGCTTATCCAAAT
 CACCAGTTCAGGTCAACCTGGATATCAGTTGCCTGTATACAATTATCAGGCATTTCTG
 CTTATCCAAATTCACCATTTCAAGTCGCCACTGGATATCAGTTCCCTGTATACAATTATC
 AGGCATTTCTGCTTATCCAAATTCACCAGTTCAGGTCAACCTGGATATCAGTTGCCTG
 TATACAATTATCAGGCATTTCTGCTTATCCAAATTCACCATTTCAAGTCGCCACTGGAT
 ATCAGTTCCCTGTATACAATTATCAGGCATTTCTGCTTATCCAAATTCACCAGTTCAGG
 TCACCACTGGATATCAGTTGCCTGTATACAATTATCAGGCATTTCTGCTTATCCAAAT
 CAGCAGTTCAGGTCAACCTGGATATCAGTTCCATGTATACAATTACAGATGCCACCGC
 AGTGCCCTGTTGGGAGCAAGGAGAAATCTGTGGACCGAAGCATACAAATGGTGGTATC
 TTGTCTGTTTAAATCCAGAGAAGAGACTGATAAATTCGGTTGTTACTCAAGATGACTGCTT
 CAAGGGTAAAAGAGTGATCGCTTTAGAAGAAGTTTGGCAGTATTTAAATCTGTTGGATC
 CTCTCAGCTATCTAGTTTCATGGGAAGTTGCTGGTTTTGAATATTAAGCTAAAAGTTTTT
 CACTATTACAGAAATCTGAATTTTGGTAAATCACACTGAACTTTCTGTATAACTTGTA
 TTACTAGACTCTAGTTTTATCTTAACACTGAACTGTTCTTCATTAGATGTTTATTTA
 GAACCTGGTTCTGTGTTTAAATATATAGTTTAAAGTAACAAATAATCGAGACTGAAAGAAT
 GTTAAGATTTATCTGCAAGGATTTTAAAAAATTGAACTTGCAATTTAAGTGTTTAAAA
 GCAAACTAGTACTTTCAAAAAGTTTTTAAACCTGATTTGAAAGCTAACAATTTTGATA
 GTCTGAACACAAGCATTTCACTTCTCCAAGAAGTACCTGTGAACAGTACAATATTTCACT
 ATTGAGCTTTGCATTTATGATTTATCTAGAAATTTACCTCAAAAGCAGAAATTTTAAAAAC
 TGCATTTTAAATCAGTGGAACCTCAATGTATAGTTAGCTTTATTGAAGCTTATCCAAACC
 CAGTAAAAACAGATTCTAAGCAACAGTCCAATCAGTGAGTCATAATGTTTATTCAAAGTA
 TTTTATCTTTTATCTAGAATCCACATATGTATGTCCAATTTGATTGGGATAGTAGTTAGG
 ATAACCTAAATTTCTGGGCTAATTTTTTAAAGAATCCAAGACAACTAACTTTACTGGG
 TATATAACCTTCTCAATGAGTTACCATTTCTTTTTATAAAAAAATTGTTCTTGAATG
 CTAAACTTAATGGCTGTATGTGAAATTTGCAAAATCTGGTATTAAAGAACGCTGCAGCT
 TTTTATGTCACTCAAAGGTTAATCGGAGTATCTGAAAGGAATTGTTTTATAAAAAACAT
 TGAAGTATTAGTTACTTGCTATAAATAGATTTTTATTTTTGTTTTTAGCCTGTTATATT
 TCCTTCTGTAATAAATAATGTCCAGAAGAGGCATGTTGTTTCTAGATTAGGTAGTGTC
 CTCATTTTATATTGTGACCACACAGCTAGAGCACCAGAGCCCTTTTGTATACTCACAGT
 CTTGTTTTCCAGCCTCTTTTACTAGTCTTTCAGGAGGTTTGTCTTGAAGTGGTGATG
 TAAAGAATGGAAGTAGCTGTATGAGCAGTTCAAAGGCCAAGCCGTG

Restriction Sites: Please inquire

ACCN: NM_020364

Insert Size: 2700 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 ORF of this clone has been fully sequenced and found to be a perfect match to NM_020364.2.
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:	<u>NM_020364.2, NP_065097.2</u>
RefSeq Size:	3391 bp
RefSeq ORF:	1317 bp
Locus ID:	57054
UniProt ID:	<u>Q9NR90</u>
Cytogenetics:	Yq11.23
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 one copy of the 10.8 kb repeat. [provided by RefSeq, Jul 2008]