

Product datasheet for **SC113312**

DAZAP1 (NM_018959) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAZAP1 (NM_018959) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAZAP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018959, the custom clone sequence may differ by one or more nucleotides

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ATGAACAACCTCGGGCGCCGACGAGATCGGGAAGCTCTTCGTGGGCGGTCTTGACTGGAGCAGCACCCAAG
AGACTCTGCGCAGCTACTTTTCCCAATATGGAGAAGTCGTAGATTGTGTTATCATGAAAGATAAAACCAC
CAACCACTCTCGAGGCTTTGGGTTTGTCAAATTTAAAGACCCAACTGTGTGGGGACGGTCTGGCCAGC
AGACCCGACACGCTAGATGGCCGAAACATCGACCCCAAGCCATGCACACCCCGGGGGATGCAGCCGGAGA
GAACACGGCCGAAGGAAGGATGGCAGAAAGGACCCAGGAGCGATAACAGTAAATCAAATAAGATATTTGT
CGGTGGAATTCCTCACAATTGTGGTGAGACAGAGCTCAGGGAATACTTCAAGAAGTTCGGAGTGGTCACG
GAGGTAGTCATGATCTATGACGCCGAGAAGCAGAGGCCCGAGGTTTTGGATTTACTTTTCGAGGACG
AACAAATCAGTGGACCAGGCTGTCAACATGCATTTTCACGACATCATGGGCAAAAAAGTGAAGTTAAACG
AGCTGAGCCTCGGGACAGCAAGAGCCAAGCGCCGGGACAGCCAGGTGCCAGCCAGTGGGGAGCCGGGTT
GTGCCAACGCTGCCAATGGCTGGGCAGGCCAGCCCCCGCCACGTGGCAGCAAGGATATGGCCCGCAAG
GAATGTGGGTGCCGGCAGGACAGGCGATTGGTGGCTATGGACCGCCCCCTGCAGGAAGAGGAGCCCCCCC
GCCACCCACCCTTACCTCCTACATCGTGTCCACCCCTCCTGGAGGCTTTCCCCTCCCAGGGCTTC
CCTCAGGGCTACGGTGCCCGCCACAGTTCAGTTTTGGCTACGGGCTCCACCTCCACCGCCAGATCAGT
TTGCCCTCCGGGGTTCTCCTCCACCAGCCACTCCCGGGCAGCACCTCTGGCTTTCCACCGCTCC
GTCTCAGGCTGCCCGGACATGAGCAAGCCCCGACAGCTCAGCCAGACTCCCCTATGGTCAGTATGCA
GGTTACGGGCAGGACTTGAGTGGCTTCGGACAGGGCTTCTCAGACCCAGCCAGCAGCCTCCTTCTACG
GGGGTCCCTCCGTGCCAGGGTCGGGGGGCCCCCGCCGGCGGCAGCGGCTTTGGACGAGGGCAGAACCA
CAACGTGCAAGGGTTCCACCCCTACCGACGCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018959 unedited NGTTAGATTTTGTATACGACTTCTATAGGGCGGCCGCAATTCGCACGAGGAGGGGAGGA GGCAGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGTTGCGCAGAT CCGGGCCGCCGGCTGTGGGAGGGGCGACGGAGCGGGTGACCTTCCGGAGGGCGGGAGCGAGC GAGGAGGCCCGGGAGCGCCGAGCGTCGCCGCCGCCGCCCATGAACAACCTCGGGCGCCG ACGAGATCGGGAAGCTCTTCGTGGGCGGTCTTGACTGGAGCACGCCAAGAGACTCTGC GCAGCTACTTTTCCCAATATGGAGAAGTCGTAGATTGTGTTATCATGAAAGATAAAACCA CCAACCAGTCTCGAGGCTTTGGGTTTGTCAAATTTAAAGACCCAAACTGTGTGGGACGG TGCTGGCCAGCAGACCGCACACGCTAGATGGCCGAAACATCGACCCCAAGCCATGCACAC CCCGGGGGATGCAGCCGGAGAGAACACGGCCGAAGGAAGGATGGCAGAAAGGACCCAGGA GCGATAACAGTAAATCAAATAAGATATTTGTCGGTGGAATTCCTCACAATTGTGGTGAGA CAGAGCTCAGGAATACTTCAAGAAGTTCGGAGTGGTCACGGAGGTAGTCATGATCTATG ACGCCGAGAAGCAGAGGCCCGAGGTTTTGGATTTATTACTTTTCGAGGACGAACAATCAG TGGACCAGGCTGTCAACATGCATTTTCACGACATCATGGGCAAAAAGTGAAGTTAAAC GAGCTGAGCCTCGGGACAGCAAGAGCCAAGCGCCGGGACAGCCAGGTGCCAGCCAGTGGG GGAGCCCGGNTGTGCCAACGCTGCCAATGGCTGGGCAGGCCAGCCCGCCACGCTGGC AGCAAGGATATGGCCCCGAGGAATGTGC
Restriction Sites:	NotI-NotI
ACCN:	NM_018959
Insert Size:	2250 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).
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:	NM_018959.2 , NP_061832.2
RefSeq Size:	2185 bp
RefSeq ORF:	1224 bp
Locus ID:	26528
UniProt ID:	Q96EP5
Cytogenetics:	19p13.3
Domains:	RRM
Protein Families:	Stem cell - Pluripotency

Gene Summary:

In mammals, the Y chromosome directs the development of the testes and plays an important role in spermatogenesis. A high percentage of infertile men have deletions that map to regions of the Y chromosome. The DAZ (deleted in azoospermia) gene cluster maps to the AZFc region of the Y chromosome and is deleted in many azoospermic and severely oligospermic men. It is thought that the DAZ gene cluster arose from the transposition, amplification, and pruning of the ancestral autosomal gene DAZL also involved in germ cell development and gametogenesis. This gene encodes a RNA-binding protein with two RNP motifs that was originally identified by its interaction with the infertility factors DAZ and DAZL. Two isoforms are encoded by transcript variants of this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks an alternate exon in the 3' coding region resulting in a novel 3' coding region and 3' UTR, compared to variant 1. It encodes isoform b, which is longer and has a distinct C-terminus, compared to isoform a.