

## Product datasheet for **SC114859**

### DAZAP2 (NM\_014764) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DAZAP2 (NM_014764) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAZAP2
Synonyms:	PRTB
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114859 sequence for NM_014764 edited (data generated by NextGen Sequencing)

```
ATGAACAGCAAAGGTCAATATCCAACACAGCCAACCTACCTGTGCAGCCTCCTGGGAAT
CCAGTATACCCTCAGACCTTGCATCTTCCTCAGGCTCCACCCTATACCGATGCTCCACCT
GCCTACTCAGAGCTCTATCGTCCGAGCTTTGTGCACCCAGGGGCTGCCACAGTCCCACC
ATGTCAGCCGCATTTCTGGAGCCTCTGTATCTTCCCATGGCCAGTCTGTGGCTGTT
GGGCCTTTAGGTTCCACAATCCCATGGCTTATTATCCAGTCGGTCCCATCTATCCACCT
GGCTCCACAGTGTGGTGAAGGAGGGTATGATGCAGGTGCCAGATTTGGAGCTGGGGCT
ACTGCTGGCAACATTCCTCCTCCACCTCCTGGATGCCCTCCCAATGCTGCTCAGCTTGCA
GTCATGCAGGGAGCCAACGTCTCGTAACTCAGCGGAAGGGGAATTCTTCATGGGTGGT
TCAGATGGTGGCTACACCATCTGGTGA
```

Clone variation with respect to NM\_014764.3



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014764 unedited  
 GAATTTTGAAATCACGNACTTTACTATGAGGGNCCGGCCGCGNAATTCGGCACGAGGCCG  
 AACAGGAAGAGGACGAAAAAAAACCGTCCGCGACGCGGAGACAAACCGGACCCGCAACC  
 ACCATGAACAGCAAAGGTCAATATCCAACACAGCCAACCTACCCTGTGCAGCCTCCTGGG  
 AATCCAGTATACCCTCAGACCTTGACATCTTCTCAGGCTCCACCCTATACCGATGCTCCA  
 CCTGCCTACTCAGAGCTCTATCGTCCGAGCTTTGTGCACCCAGGGGCTGCCACAGTCCCC  
 ACCATGTCAGCCGATTTTCTGGAGCCTCTCTGTATCTTCCCATGGCCAGTCTGTGGCT  
 GTTGGGCCTTTAGGTTCCACAATCCCCATGGCTTATTATCCAGTCGGTCCCATCTATCCA  
 CCTGGCTCCACAGTGCTGGTGGAAAGGAGGTATGATGCAGGTGCCAGATTTGGAGCTGGG  
 GCTACTGCTGGCAACATTCTCCTCCACCTCCTGGATGCCCTCCCAATGCTGCTCAGCTT  
 GCAGTCATGCAGGGAGCCAACGTCCTCGTAACTCAGCGGAAGGGGAACCTCTTCATGGGT  
 GGTTCAGATGGTGGCTACACCATCTGGTGAGGAACCAAGGCCACCTTTGTCCGGGAAAG  
 ACATCACATACCTTCAGCACTTCTACAATGTAAGTCTTATGTCATATTAACCTGAAGT  
 TGCAGTTTAGACACATGTTGTTGGGGTGTCTTTCTGGTGCCCAAACNTCANGCACTTTT  
 CAAATTAATAAGGAACCATGTAATGGTAGCAGTACCTCCCTAAGCATTGAGGGTAGGG  
 AGGTATCCATTATAAATGATGTGGGTGAAGCCGCTAAGGATTTCTTTATTCTCTGG  
 ATATACTGACATACTGGNCTTGCTTTATAAA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_014764 unedited  
 AATCTTGCCGCGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAGGTGAAT  
 GCTTTTTCATCACTTTATTCAAATCTTCAAGATAGTCTTTATTCTACATTTTTAGTATAA  
 AAATCCACAAGTTAAGTGCACCACAGTGTAGAGAGAGACATAACAACGCTGAACCTCCAT  
 AACAGTCAATGGTACAGTCAAACATCACATGTACAGAACACACAATTTAGATGAACCTGAA  
 ATTATAAGATAAAAATAAAAATAAAATCCAATTTTCAGAAAACAAAAATCAAAACATTAAGGA  
 TCCTGAAATATTCTTAAACCCTAATGAGATTTCACTGGACTCAAGTCATTTTTGTAGTGA  
 GACATTCACAATATGACCCTATCAACCCAGTCTAGGAATCTGGGGAGCCGAATGAGTGG  
 CCGCATCAGACACTCTGACAAAAAATGGTAACCAATTTTTGATCTGAAAACCTCCTCTTAA  
 TTTAGCTCTGAACACATCAATCAAGCTTTTGAATGCATCCTCCTCCTTGCCCTCATAT  
 TTTAAACCAACTGTTGTTACAGTACAGTTTGCACGACATCTTTGTTCAAACATAGTCA  
 GTTTTTCTGGCACCAAAGCAAATTTGGGTTAGGTTCTGTATGCAGAGACAACCTATGAG  
 GAGGGCCATAAAGCACCCCTCCACTTTTGCCTGANGAGATACGAAAGCAGAAGTAATGGC  
 ATCTGTACTTGGNNGCACAGAGAGGTTTCAGAGGATCCTTTGTGAACACTANNNTAAAGA  
 TGACGAGTGGGGAGAAGTGCAGGAAAGAANGAATAATCTGACTGGCTTTCTGTCTGTC  
 ACCATTGATCAATGGAGACTGGGCGGAGGAAATGGAAACTANNNGTNGANATGGATGGNN  
 TGNGCANGGNNATGAANGNAAANNGCACAACCTATGCCGTTTCATTAATAACAGN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_014764

**Insert Size:**

1960 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:**

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\\_014764.2](#), [NP\\_055579.1](#)

**RefSeq Size:** 1916 bp

**RefSeq ORF:** 507 bp

**Locus ID:** 9802

**UniProt ID:** [Q15038](#)

**Cytogenetics:** 12q13.13

**Gene Summary:** This gene encodes a proline-rich protein which interacts with the deleted in azoospermia (DAZ) and the deleted in azoospermia-like gene through the DAZ-like repeats. This protein also interacts with the transforming growth factor-beta signaling molecule SARA (Smad anchor for receptor activation), eukaryotic initiation factor 4G, and an E3 ubiquitinase that regulates its stability in splicing factor containing nuclear speckles. The encoded protein may function in various biological and pathological processes including spermatogenesis, cell signaling and transcription regulation, formation of stress granules during translation arrest, RNA splicing, and pathogenesis of multiple myeloma. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the predominant isoform (a).