

## Product datasheet for **SC325516**

### DAZAP2 (NM\_001136264) Human Untagged Clone

#### Product data:

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:        | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product Name:        | DAZAP2 (NM_001136264) Human Untagged Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tag:                 | Tag Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Symbol:              | DAZAP2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Synonyms:            | PRTB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Vector:              | <u>pCMV6 series</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001136264, the custom clone sequence may differ by one or more nucleotides<br>ATGAACAGCAAAGGTCAATATCCAACACAGCCAACCTACCCTGTGCAGCCTCCTGGGAAT<br>CCAGTATACCCTCAGACCTTGCATCTTCTCAGGCTCCACCCTATACCGATGCTCCACCT<br>GCCTACTCAGAGCTCTATCGTCCGAGCTTTGTGCACCCAGGGGCTGCCACAGTCCCCACC<br>ATGTCAGCCGCAATCCCCATGGCTTATTATCCAGTCGGTCCCATCTATCCACCTGGCTCC<br>ACAGTGTGGTGAAGGAGGGTATGATGCAGGTGCCAGATTTGGAGCTGGGGCTACTGCT<br>GGCAACATTCTCTCCACCTCCTGGATGCCCTCCAATGCTGCTCAGCTGCAGTCATG<br>CAGGGAGCCAACGTCCTCGTAACTCAGCGGAAGGGGAACCTTTCATGGGTGGTTCAGAT<br>GGTGGCTACACCATCTGG |
| Restriction Sites:   | Please inquire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ACCN:                | NM_001136264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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).                                                                                                                                                                                                                                                                                                                                                                                               |



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**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\\_001136264.1](#), [NP\\_001129736.1](#)

**RefSeq Size:** 2116 bp

**RefSeq ORF:** 441 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 (2) lacks an in-frame segment in an internal coding exon, compared to variant 1, resulting in a shorter protein (isoform b) compared to isoform a.