

Product datasheet for **SC325606**

DAZAP2 (NM_001136266) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | DAZAP2 (NM_001136266) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | DAZAP2 |
| Synonyms: | PRTB |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC325606 representing NM_001136266. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

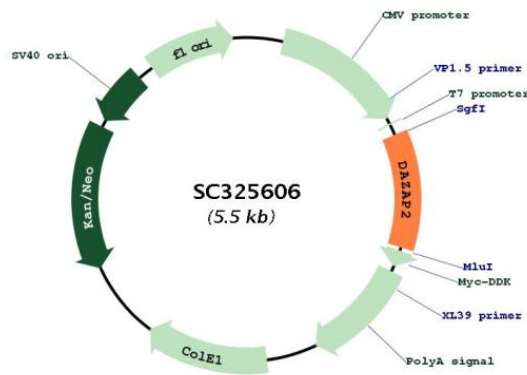
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACAGCAAAGGTCAATATCCAACACAGCCAACCTACCCTGTGCAGCCTCCTGGGAATCCAGTATAC
CCTCAGACCTTGCATCTTCCTCAGGCTCCACCCTATACCGATGCTCCACCTGCCTACTCAGAGCTCTAT
CGTCCGAGCTTTGTGCACCCAGGGGCTGCCACAGTCCCCACCATGTCAGCCGATTTCTGGAGCCTCT
CTGTATCTTCCATGGCCAGTCTGTGGCTGTTGGCCTTAGGTTCCACAATCCCCATGGCTTATTAT
CCAGTCGGTCCCATCTATCCACCTGCCTCCACCTCCTGGATGCCCTCCAATGCTGCTCAGCTTGCACT
CATGCAGGGAGCCAACGTCTCGTAACTCAGCGGAAGGGGAACCTCTTCATGGGTGGTTCAGATGGTGG
CTACACCATCTGGTGAGGAACCAAGGCCACCTCTGTGCCGGAAAGACATCACATACCTTCAGCACTTC
TCACAATGTAACCTGCTTTAGTCATATTAACCTGAAGTTGCAGTTTAGACACATGTTGTTGGGGTGTCTT
TCTGGTGCCCAAACCTTTAGGCACCTTTTCAAATTAATAAGGAACCATGTAATGGTAGCAGTACCTCC
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001136266

Insert Size: 624 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: 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_001136266.1](#)

RefSeq Size: 2105 bp

RefSeq ORF: 624 bp

Locus ID: 9802

UniProt ID: [Q15038](#)

Cytogenetics: 12q13.13

MW: 22.8 kDa

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 (3) uses an alternate splice site in a coding exon, compared to variant 1, that results in a frameshift. It encodes isoform c which has a longer and distinct C-terminus compared to isoform a.