

## Product datasheet for **RC200047**

### DAZAP2 (NM\_014764) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DAZAP2 (NM\_014764) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** DAZAP2  
**Synonyms:** PRTB  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC200047 representing NM\_014764  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAACAGCAAAGGTCAATATCCAACACAGCCAACCTACCCTGTGCAGCCTCCTGGGAATCCAGTATACC  
CTCAGACCTTGCATCTTCTCAGGCTCCACCCTATACCGATGCTCCACCTGCCTACTCAGAGCTCTATCG  
TCCGAGCTTTGTGACCCAGGGCTGCCACAGTCCCCACCATGTCAGCCGCATTTCTGGAGCCTCTCTG  
TATCTTCCATGGCCAGTCTGTGGCTGTTGGCCTTTAGGTTCCACAATCCCCATGGCTTATTATCCAG  
TCGGTCCCATCTATCCACCTGGCTCCACAGTGTGGTGAAGGAGGGTATGATGCAGGTGCCAGATTTGG  
AGCTGGGCTACTGCTGGCAACATTCTCCTCCACCTCCTGGATGCCCTCCAATGCTGCTCAGCTTGCA  
GTCATGCAGGGAGCCAACGTCCTCGTAACCTCAGCGGAAGGGGAACCTTCTCATGGGTGGTTCAGATGGT  
GCTACACCATCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC200047 representing NM\_014764  
Red=Cloning site Green=Tags(s)  
MNSKGQYPTQPTYVPVQPPGNPVYPQTLHLPQAPPYTDAPPAYSELYRPSFVHPGAATVPTMSAAFP GASL  
YLPMAQSVAVGPLGSTIPMAYYPVGPIYPPGSTVLVEGGYDAGARFGAGATAGNI PPPPPGCPPNAAQLA  
VMQGANVLVTQRKGNFFMGGSDGGYTIW

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg4149\\_b09.zip](https://cdn.origene.com/chromatograms/mg4149_b09.zip)



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_014764

ORF Size: 504 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_014764.4](#)

RefSeq Size: 1916 bp

RefSeq ORF: 507 bp

Locus ID: 9802

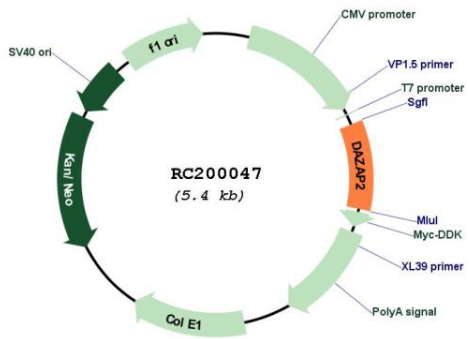
UniProt ID: [Q15038](#)

**Cytogenetics:** 12q13.13

**MW:** 17.1 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]

**Product images:**



Circular map for RC200047