

Product datasheet for **RG204091**

DAZAP1 (NM_018959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAZAP1 (NM_018959) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DAZAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204091 representing NM_018959 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACAACCTCGGGCGCCGACGAGATCGGGAAGCTCTTCGTGGGCGGTCTTGACTGGAGCAGACCCAAAG
AGACTCTGCGCAGCTACTTTCCCAATATGGAGAAGTCGTAGATTGTGTTATCATGAAAGATAAAACCAC
CAACCACTCTCGAGGCTTTGGGTTTGTCAAATTTAAAGACCCAACTGTGTGGGGACGGTCTGGCCAGC
AGACCGCACACGCTAGATGGCCGAAACATCGACCCAAAGCCATGCACACCCCGGGGGATGCAGCCGGAGA
GAACACGGCCGAAGGAAGGATGGCAGAAAGGACCCAGGAGCGATAACAGTAAATCAAATAAGATATTTGT
CGGTGGAATTCCTACAATTGTGGTGAGACAGAGCTCAGGGAATACTTCAAGAAGTTCGGAGTGGTCACG
GAGGTAGTCATGATCTATGACGCCGAGAAGCAGAGGCCCGAGGTTTTGGATTTATTACTTTTCGAGGACG
AACAAATCAGTGGACCAGGCTGTCAACATGCATTTTACGACATCATGGGCAAAAAGTGAAGTTAAACG
AGCTGAGCCTCGGGACAGCAAGAGCCAAGCGCCGGGACAGCCAGGTGCCAGCCAGTGGGGAGCCGGGTT
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GAATGTGGGTGCCGGCAGGACAGGCGATTGGTGGCTATGGACCGCCCCCTGCAGGAAGAGGACCCCGCC
GCCACCCCACTTACCTCCTACATCGTGTCCACCCCTCCTGGAGGCTTTCCCTCCCAGGGCTTC
CCTCAGGGCTACGGTGCCCGCCACAGTTCAGTTTTGGCTACGGGCTCCACCTCCACCGCCAGATCAGT
TTGCCCTCCGGGGTTCCTCCTCCACAGCCACTCCCGGGGACGACCTCTGGCTTTCCACCGCTCC
GTCTCAGGCTGCCCGGACATGAGCAAGCCCCGACAGCTCAGCCAGACTTCCCTATGGTCAGTATGCA
GGTTACGGGCAGGACTTGAGTGGCTTCGGACAGGGCTTCTCAGACCCAGCCAGCAGCCTCCTTCTACG
GGGGTCCCTCCGTGCCAGGGTCGGGGGGCCCCCGCCGGCGGCAGCGGCTTTGGACGAGGGCAGAACCA
CAACGTGCAAGGGTTCACCCCTACCGACGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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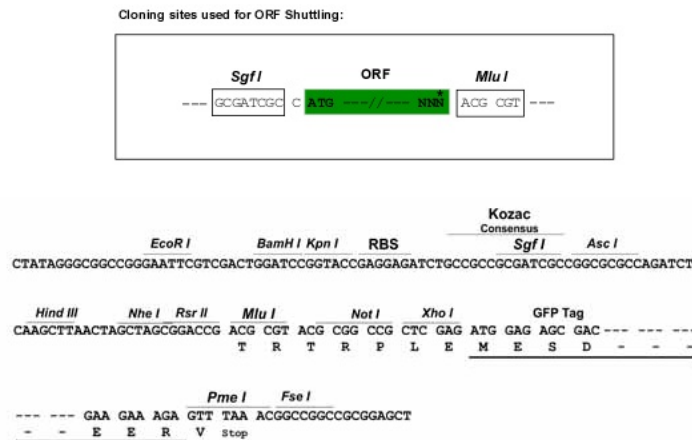
Protein Sequence: >RG204091 representing NM_018959
Red=Cloning site Green=Tags(s)

MNNSGADEIGKLFVGGLDWSTTQETLSYFSQYGEVDCVIMKDKTTNQRSFGFVKFKDPNCVGTVLAS
 RPHTLDGRNIDPKPCTPRGMQPERTRPKEGWQKGPRSDNSKSNKIFVGGIPHCGETELREYFKKFGVVT
 EVVMIYDAEKQRPRGFGFITFEDEQSVDAQVNMHFHDI MGKKVEVKRAEPRDSKSQAPGQPGASQWGSRV
 VPNAANGWAGQPPPTWQQGYGPGQGMWVPAGQAIIGYGPPPAGRGAPPPPPFTSYIVSTPPGGFPPPQGF
 PQGYGAPPQFSFYGGPPPPPDQFAPPGVPPPPATPGAAPLAFPPPPSQAAPDMSKPPTAQPDFPYGQYA
 GYQDLSGFGQGFSDPSQPPSYGGPSVPGSGGPPAGGSGFGRGQNHNVQGFHPYRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018959

ORF Size: 1221 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_018959.4](#)

RefSeq Size: 2185 bp

RefSeq ORF: 1224 bp

Locus ID: 26528

UniProt ID: [Q96EP5](#)

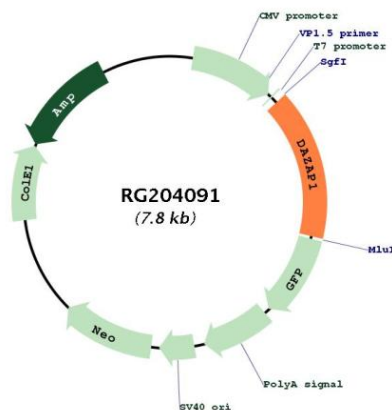
Cytogenetics: 19p13.3

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]

Product images:



Circular map for RG204091