

Product datasheet for **RG215679**

DZIP1 (NM_014934) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DZIP1 (NM_014934) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DZIP1
Synonyms:	DZIP; DZIPt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG215679 representing NM_014934
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGAAAACAAAAGAGGAAGACTTTTTGAAGTTATTTGACAGGTGAAAGAAGAAGAAAAGGAGAAAAC
 TAGTTGATGAAATGGAAAAGTCAAGGAGATGTTTATGAAGGAATTTAAAGAATTAACCTCGAAGAATTC
 AGCATTAGAATATCAACTGTCAGAAATCCAGAAGTCCAATATGCAGATCAAGTCCAACATAGGCACATTA
 AAAGATGCACACGAGTTTAAAGAAGACCCTTCCATATCCCAGGATTTCCATAATGTCATGCAGCTTC
 TTGATAGTCAGGAAAGCAATGGACAGCTCGAGTTCAAGCTATTCATCAAGAACAAGAAAAGAGAAGGG
 TCGGCTCTGTCACATATAGAGAACTTCGAACCTCAATGATAGATGATCTAAATGCAAGCAATGTTTTTC
 TATAAGAAAAGGATAGAAGAGCTAGGGCAGAGACTCCAGGAGCAGAATGAGCTGATTATAACTCAGAGAC
 AGCAGATTAAGACTTTACCTGTAATCCATTAACAGTATCAGTGAACCCAAAGGAAATCCTTTAGCCTG
 GCAGGCTTTTGAATCTCAGCCAGCTGCTCCAGCTGTGCCTATGAATGCCCGAGCCCTGCACACTTTGGAA
 ACTAAATCAAGTCTGCCAATGGTGCATGAACAGGCATTCTCGTCGCACATACTGGAACCAATAGAAGAAC
 TTTTCAGAGGAAGAAAAGGAAGGAAAAATGAACAGAAATTAATTAACAACAAAATGCATTTAAGGAAAGC
 TTTGAAGAGTAACTCCTCCCTCACTAAGGGACTAAGAACAATGGTGGAGCAGAACTTGATGGAGAAACTG
 GAAACCTTGGGGATTAATGCAGATATACGTGGCATTTCAGTGATCAGTTGCATAGAGTACTAAAAAGTG
 TGGAAATCAGAAAGACATAAGCAAGAAAGAGAAATACCTAACTTTCATCAAATTCGAGAATTCCTTGAACA
 TCAAGTCAGCTGTAAAATGAGGAGAAAGCACTACTCTTTCAGATCAGTGCAGTGTTCCTCAAATGGAT
 ACCCTTTCAACTGGAGAAGTACCCAAAAATGATAACAACCTCCTTCCAAAAACAGACAACCTGATTAGACAAA
 AAGCTGTTTCTACTGATAGGACATCTGTTCCAAAAATTAAGAAAAATGTCATGGAAGATCCTTTTCCAG
 AAAGTCTTCAACTATTACGACCCCTCCTTTTAGTTTCAGAGGAGGAGCAGGAGGACGACCTCATCCGG
 GCATACGCATCCCAGGCCCACTTCTGTGCCGCCACCACAAAACAAGGGCAGCTTCGGGAAGAACACAG
 TGAAAAGTGACGCGGACGGGACCGAGGGAAGCGAAATCGAGGACACTGATGATTCTCCAAAGCCCGCAGG
 AGTCGCGGTTAAAACACCTACTGAAAAAGTTGAAAAGATGTTTCCACATCGCAAAAATGTGAACAAACCA
 GTCGGTGGAACTAATGTCCTGAGATGTTTATCAAAAAAGAAGAATTACAAGAACTAAAGTGTGCGGATG
 TGGAGGATGAAGACTGGGACATATCATCCCTAGAGGAAGAGATATCTTTGGGAAAAAATCTGGGAAAGA
 ACAGAAGGAACCTCCACCTGCGAAAAATGAACCACATTTTGTCTATGTGCTAAATGCCTGGGGCGCATT
 AATCCTAAGGGGCCAAAGGGAGAAGGACTTCAAGAAAATGAATCAAGCACATTAAGGAGCAGCTTAGTAA
 CTGTGACTGATTGGAGCGACACTTCAGATGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215679 representing NM_014934
 Red=Cloning site Green=Tags(s)

MQKTKKEEDFLKLFDRWKEEEKEKLVDEMEKVKEMFMKEFKELTSKNSALEYQLSEIQKSNMQIKSNIGTL
 KDAHEFKEDRSPYPQDFHNMQLLDSQESKWTARVQAIHQEHKKEKGRLLSHIEKLRTSMIDDLNASNVF
 YKKRIEELGQRLQEQLNELIITQRQIKDFTCNPLNSISEPKGNPLAWQAFESQPAAPVPMNAPALHTLE
 TKSSLPVHEQAFSSHILEPIEELSEEEKRENEQKLNKMMHLRKALKSNSSLTKGLRTMVEQNLMEKL
 ETLGINADIRGISSDQLHRVLKSVESERHKQEREIPNFHQIREFLEHQVSKIEEKALLSSDQCSVSQMD
 TLSTGEVPKMIQLPSKNRQLIRQKAVSTDRTSVPKIKKNVMDPFPRKSSITITPPFSSEEEQEDDLIR
 AYASPGPLPVPPPQNKGSFGKNTVKSADADGTEGSEIEDTDDSPKPAGVAVKTPTEKVEKMFPHRKNVKNP
 VGGTNPPEMFIKKEELQELKCADVEDEDWISSLEEEISLGKKSQKEQKEPPPAKNEPHFAHVLNAWGAF
 NPKGPKGEGLQENESSTLKSSLVTVDWSDTSDV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_014934

ORF Size: 1782 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_014934.2](#), [NP_055749.1](#)

RefSeq Size: 7438 bp

RefSeq ORF: 2547 bp

Locus ID: 22873

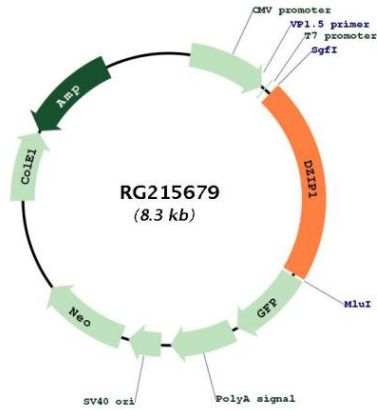
UniProt ID: [Q86YF9](#)

Cytogenetics: 13q32.1

Domains: zf-C2H2

Gene Summary: May participate in spermatogenesis via its interaction with DAZ (PubMed:15081113). Has a role in primary cilium formation (PubMed:19852954).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215679