

## Product datasheet for **RG205328**

### DAZL (NM\_001351) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DAZL (NM_001351) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DAZL
Synonyms:	DAZH; DAZL1; DAZLA; SPGYLA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205328 representing NM_001351 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTCTACTGCAAATCCTGAAACTCCAACTCAACCATCTCCAGAGAGGCCAGCACCCAGTCCTCATCAG  
CTGCAACCAGCCAAGGCTATATTTTACCAGAAGGCAAAATCATGCCAAACTGTTTTTGTGGAGGAAT  
TGATGTTAGGATGGATGAACTGAGATTAGAAGCTTCTTTGCTAGATATGGTTCAGTAAAGAAGTGAAG  
ATAATCACTGATCGAACTGGTGTGTCCAAAGGCTATGGATTTGTTTCATTTTTTAATGACGTGGATGTGC  
AGAAGATAGTAGAATCACAGATAAATTTCCATGGTAAAAAGCTGAAGCTGGGCCCTGCAATCAGGAAACA  
AAATTTATGTGCTTATCATGTGCAGCCAGTCCTTTGGTTTTTAATCATCCTCCTCCACCACAGTTTCAG  
AATGTCTGGACTAATCCAAACTGAACTTATATGCAGCCCACAACCACGATGAATCCTATAACTCAGT  
ATGTTCCAGGCATATCCTACTTACCCAAATTCACCAGTTCAGGTCACTCAGTGGATATCAGTTGCCTGTATA  
TAATTATCAGATGCCACCACAGTGGCCTGTTGGGGAGCAAAGGAGCTATGTTGTACCTCCGGCTTATTCA  
GCTGTTAACTACCACTGTAATGAAGTTGATCCAGGAGCTGAAGTTGTGCCAAATGAATGTTTCAGTTCATG  
AAGCTACTCCACCCTCTGGAAATGGCCACAAAAGAAATCTGTGGACCGAAGCATACAAACGGTGGTATC  
TTGTCTGTTTAAATCCAGAGAACAGACTGAGAACTCTGTTGTTACTCAAGATGACTACTTCAAGGATAAA  
AGAGTGCATCACTTTAGAAGAAGTCGGCAATGCTTAAATCTGTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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\\_001351.4](#)

**RefSeq Size:** 3056 bp

**RefSeq ORF:** 888 bp

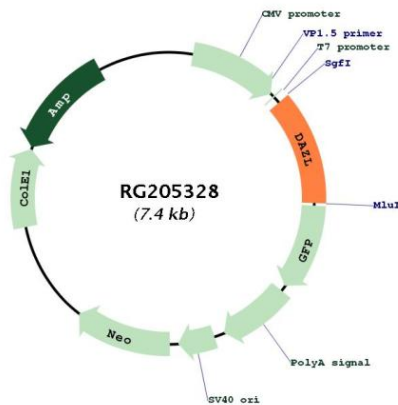
**Locus ID:** 1618

**UniProt ID:** [Q92904](#)

**Cytogenetics:** 3p24.3

**Gene Summary:** The DAZ (Deleted in AZoospermia) gene family encodes potential RNA binding proteins that are expressed in prenatal and postnatal germ cells of males and females. The protein encoded by this gene is localized to the nucleus and cytoplasm of fetal germ cells and to the cytoplasm of developing oocytes. In the testis, this protein is localized to the nucleus of spermatogonia but relocates to the cytoplasm during meiosis where it persists in spermatids and spermatozoa. Transposition and amplification of this autosomal gene during primate evolution gave rise to the DAZ gene cluster on the Y chromosome. Mutations in this gene have been linked to severe spermatogenic failure and infertility in males. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

**Product images:**



Circular map for RG205328