OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG231158

DAZL (NM_001190811) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAZL (NM_001190811) 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:

>RG231158 representing NM_001190811
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCTCCCTCGTGTGGCGGCGACAGAAAAGCTCGCCTGACGCCATCTTTGCCGCACGAGTCTACTG
CAAATCCTGAAACTCCAAACTCAACCATCTCCAGAGAGGCCAGCACCCAGTCCTCATCAGCTGCAACCAG
CCAAGGCTATATTTTACCAGAAGGCAAAATCATGCCAAACACTGTTTTTGTTGGAGGAATTGATGTTAGG
ATGGATGAAACTGAGATTAGAAGCTTCTTTGCTAGATATGGTTCAGTGAAAGAAGTGAAGATAATCACTG
ATCGAACTGGTGTGTCCAAAGGCTATGGATTTGTTTCATTTTTTAATGACGTGGATGTGCAGAAGATAGT
AGAATCACAGATAAATTTCCATGGTAAAAAGCTGAAGCTGGGCCCTGCAATCAGGAAACAAAATTTATGT
GCTTATCATGTGCAGCCACGTCCTTTGGTTTTTAATCATCCTCCTCCACCACAGTTTCAGAATGTCTGGA
CTAATCCAAACACTGAAACTTATATGCAGCCCACAACCACGATGAATCCTATAACTCAGTATGTTCAGGC
ATATCCTACTTACCCAAATTCACCAGTTCAGGTCATCACTGGATATCAGTTGCCTGTATATAATTATCAG
ATGCCACCACAGTGGCCTGTTGGGGAGCAAAGGAGCTATGTTGTACCTCCGGCTTATTCAGCTGTTAACT
ACCACTGTAATGAAGTTGATCCAGGAGCTGAAGTTGTGCCAAATGAATGTTCAGTTCATGAAGCTACTCC
ACCCTCTGGAAATGGCCCACAAAAGAAATCTGTGGACCGAAGCATACAAACGGTGGTATCTTGTCTGTTT
AATCCAGAGAACAGACTGAGAAACTCTGTTGTTACTCAAGATGACTACTTCAAGGATAAAAGAGTGCATC
ACTTTAGAAGAAGTCGGGCAATGCTTAAATCTGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

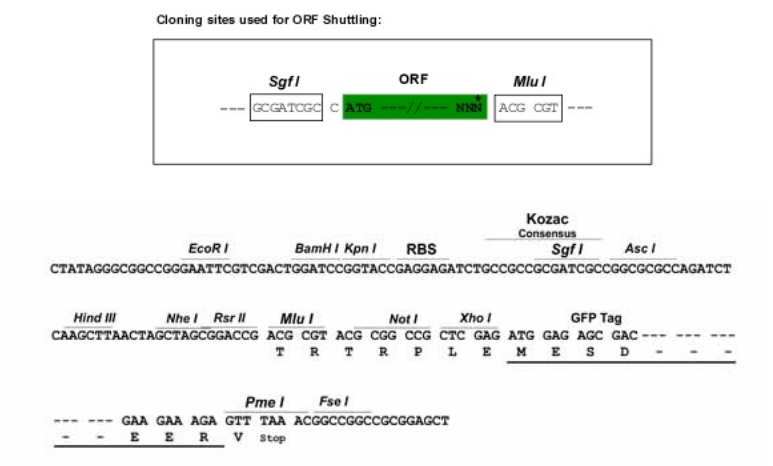
>RG231158 representing NM_001190811
Red=Cloning site Green=Tags(s)

MAAPSCGGDRKARLTPSLPHESTANPETPNSTISREASTQSSSAATSQGYILPEGKIMPNTVFVGGIDVR
MDETEIRSFFARYGSVKEVKIITDRTGVSKGYGFVSFFNDVDVQKIVESQINFHGKKLKLGPAIRKQNLC
AYHVQPRPLVFNHPPPPQFQNVWTNPNTETYMQPTTTMNPITQYVQAYPTYPNSPVQVITGYQLPVYNYQ
MPPQWPVGEQRSYVVPPAYSAVNYHCNEVDPGAEVVPNECSVHEATPPSGNGPQKKSVDRSIQTVVSCLF
NPENRLRNSVVTQDDYFKDKRVHHFRRSRAMLKSV

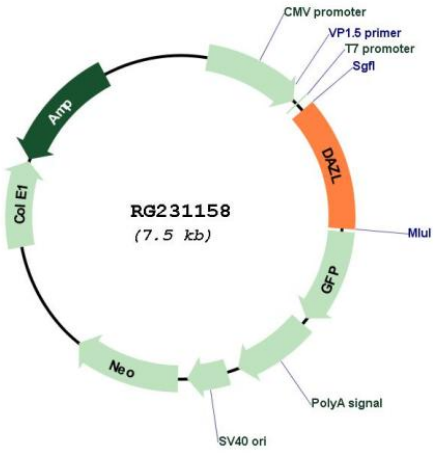
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001190811

ORF Size: 945 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_001190811.1, NP_001177740.1
RefSeq Size:	3108 bp
RefSeq ORF:	948 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]