

Product datasheet for **RG218956**

DMRTB1 (NM_033067) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DMRTB1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218956 representing NM_033067
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGACAAAATGGTGCGCACCCCAAGTGCTCGAGATGCAGGAACCATGGCTTCCTGGTGCCCGTCA
AGGGACACGCGGGCAAATGCCGCTGGAAGCAGTGCCTCTGCGAGAAGTGCTACCTGATCTCCGAGCGCCA
GAAGATCATGGCCGCGCAGAAGGTGCTCAAGACGACGCGCCGCGAGGAGGAGCAGGAGGCGGCCCTGTGT
GCGCAGGGGCCCCAAGCAGGCCCTCCGGGGCTGCGGCCGCGCCCGCCCCCGCTCCCGTCCCGGCCGCGA
GCCTCCGCCCGCTGTCCCGGGGACTCCCTCCGAGACGCCGACCCGGGACCCGAGGGCCGCGGGCCGC
TTGCTTCTTCGAGCAGCCCCGCGGGGCCGAACCCCGGCCGAGAGCCCTCCAGCCGTTCTGGCGGGC
CGCAGCCACGTGGAGCCGAGCGAGCGAGCCGCGTGGCGATGCCAGCCTTGCGGGACCCCTTTTGGGG
CGGAGGCCGCGAGGCAGTGGCTACCCTGGCCCCCTAGACCTGCGCAGGCCGATGCGGACCGTCCCGGCC
ACTGTTACCCGACTTTGTGCGCCCTCTGAACATCAACCCGGACCGTGCACTGGGCCCTGAGTACCCTGGT
GGCTCCAGCATGCACCCCTACTGCCGTTCCCGCTGGGCTACCTGGACGCCCTCCTGGCGTCCCGTGC
AGCAGGGCTTCCGGCATGTGTCCCGCAGCCAGTACCAAGGCGGAGGCTTGGTGTGAGAACCAGGAGGAGA
CTTCCAGCCAAGCTACTACCTGCCGCCGCGCCGCCCACTGCCGCCCTTCCACCGCTTCCACCGCAG
CCCCAGTTCCTCCCGCAGGCTACCTCTGCGCTCCACTTCTCCCCCGCCACCGCCACCCACCTC
CATCATCTTTCTCACTGACCGTCTGTTTGATACTGACAAGGAGAACTGATGACCAGGATGCAGAGGT
ACTGTGCGGTGAGCCAGCCAGCCATCGTCTCAGGAGCAGTCCGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



Protein Sequence: >RG218956 representing NM_033067
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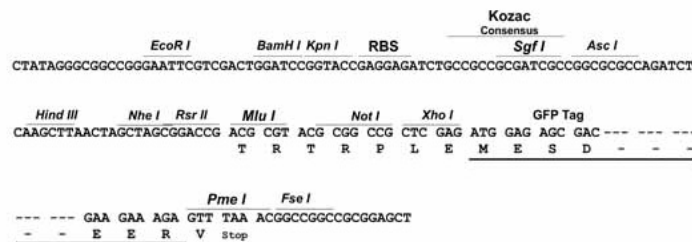
MADKMVRTPKCSRNRHGFVVPVKGHAGKCRWKQCLCEKCYLISERQKIMAAQKVLKTQAAEEQEAAALC
AQGPKQASGAAAAAPVPVPAASLRPLSPGTPSGDADPGPEGRAAACFFEQPPRGRNPGPRALQPVLGG
RSHVEPSERAAMVPSLAGPPFGAEAGSGYPGPLDLRRPMRTVPGPLFTDFVRPLNINPDRLGPEYPG
GSSMHPYCPFPLGYLDAPPGVPLQQGFRHVSRSQYQGGGLVSEPGGDFQPSYYLPPPPPLPPLPPLPPQ
PQFLPPGYLSALHFLPPPPPPPPSSFSLTVLFDTKENTDDQDAEVLSGEPSQPSSQE QSD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_033067

ORF Size: 1026 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_033067.3](#)

RefSeq Size: 1907 bp

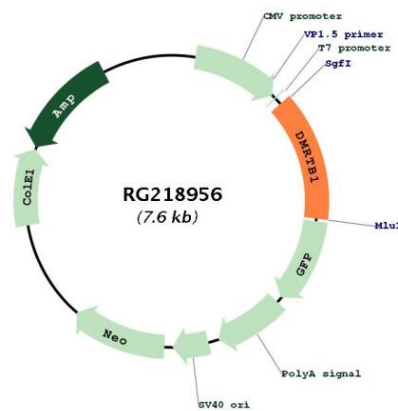
RefSeq ORF: 1029 bp

Locus ID: 63948

UniProt ID: [Q96MA1](#)

Cytogenetics: 1p32.3

Product images:



Circular map for RG218956