

Product datasheet for **MG221732**

Dmrtc2 (NM_027732) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dmrtc2 (NM_027732) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dmrtc2
Synonyms: 4933432E21Rik; Dmrt7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG221732 representing NM_027732
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCAGTGAAACGGCTGCTCTCCACCACTGTTCTGCTGACTCTTCCCAGCCGACGAGGCCAGAG
TGCCCCAGAGTACAGAGCTTATCCAGGAGACCAGTCAGTCGCTCTCAAACCTGTGCCCGCTGTCGCAA
CCATGGGGTACAGCCCATCTCAAGGGACACAAGCGCCTCTGCCTTTTCAGGCTTGCAGTGTACAAA
TGTGTCTCATCTGGAACGTCGGAGGGTCATGGCTGCCAAGTGGCCTTGGCAGGCAGCAGGAGGCAC
AGCTGAAAAGGCACCTGGCTCAGGGACTGATGAAAGGGCAACCCCTCTGAAAGTCCCCCTCCGTGTCAA
GAAGGGAGCCATTCGGCCAGGGATCCCTTCTGGAAAAGAGAACATAGCACCCAGCCTCAGAGTCCCCAT
GGAGCAGTCCCCTGGTACTGACACCCCTGGGAAGGAGAACTATGGGCCACTGTGCTCAGCCGCCCC
CGGAAGCCTTGCCTTTGCCCTGGACTCCAGTGCCTCCTGGGCCTTGGGGCCTGGACTGGCTGCCCC
AGGCCTCTCAATGCCACCTCCAGTGGTATGCCGCTTGCTGTGCCAAGAACCTGCTGTCCCTACATCCT
TTTCTGGCTTTGACCCTGGCACCTCTCTCCGGCTGCCACTCATGGGACCCTCCCGACCTGCCAGGAT
CTCGCTCAGTACTGACGGCTCCACTTTCTGGGGAGCCCCAAGGACCCCTAACCTGCCTCACACATGTT
AACTCTGATACTCCAGTCTGTGGCAGCCAGACTCTCTTCTGCTACAGCCACAGGCCCTGGAGCCTCC
TGCTGGCCTGGACATCTGGCCCTCGGAGCGGCAGCTGCAGCGGAGGCAGCTGAGGCCCTGTAGGTC
TGAAAGACTCATCCAGGCTCCCGCCTGACCCATCTGTCCCCCTAACCTGCCTGGATCTCTGTCT
CCACCCCTGTGGCCACAGCTCCTCCTGGGGGAAAGGATTCCAGCCTGTTGGCCACCTCTCCGACCC
AGTCCAGTTCCTCTGTCTCTCTGCACATTGGCGTCTGGGATCTATCTCCCTCCTCAGC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221732 representing NM_027732
Red=Cloning site Green=Tags(s)

MDPSETAALHHCSADSSPADEARVPQSTELIPRRPVSRPSTCARCRNHGVT AHLKGHKRLCLFQACECHK
 CVLILERRRVMAAQVALRRQQAQLKRHLAQGLMKGATPLKAPLRVKKGAI R PGI PS GKENIAPQPQSPH
 GAVPLVLTPPGKENYGPLLLSRPPEALPLWTPVPPGWP GPHWLPGLSMPPPVCRLLCQEPAVPLHP
 FPGFDPGTSRLRLPTHGTLPTCPGSRSVLTAPLSGEPQGGPPNLPHTCSTLILQSCGTPD SLL LQPQAPGAS
 CLAWTSGPSERQLQREAAEALVGLKDSSQAPRLTPSVPPNPAWISLLHPCGPPAPPGGRGFPVGPPLRP
 SPGSSVSLHIGRLGISILLS

TRTRPLE - GFP Tag - V

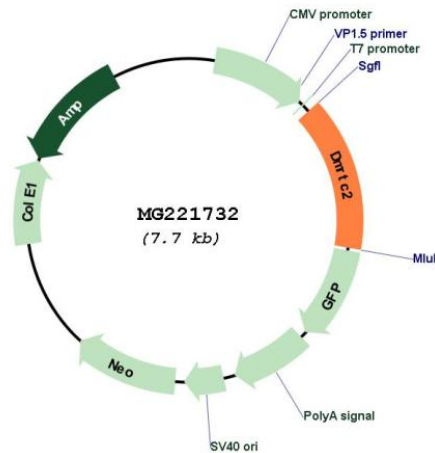
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_027732

ORF Size:	1110 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:	<ol style="list-style-type: none">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_027732.2 , NP_082008.1
RefSeq Size:	1619 bp
RefSeq ORF:	1113 bp
Locus ID:	71241
UniProt ID:	Q8CGW9
Cytogenetics:	7 A3
Gene Summary:	May be involved in sexual development.[UniProtKB/Swiss-Prot Function]