

Product datasheet for **MG223982**

Rogdi (NM_133185) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rogdi (NM_133185) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rogdi
Synonyms: 0610011C19Rik; AU020118; C76152; Lzf
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223982 representing NM_133185
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCGGATGGCTGCGAGCGCCGCGGAGCGGGCAGTACTGGAGGAGGAGTTTCGCTGGTTACTGC
ACGCTGAGGTGCACGCCGTGCTGAGACAGCTGCAGGACATCCTCAAGGAGGCCTCTCCGCTTCACTCT
CCCAGGCCCCAGCACCGAGGGCCCTGCCAAGCAGGAGAATTCATCCTGGGCAGCTGTGGCAGACACCAG
GTGAAAGGGACTCTGACTCTGCAAGGGGATGCCCTCAGCCAAGCGGATGTGAACCTGAAGATGCCTCGGA
ACAACCAGTTGTTGCACTTGGCCTTCCGGGAAGACAAGCAGTGAAGCTGCAGCAGATCCAGGATGCCAG
GAACCATGTGAGCCAAGCTATTTATCTCCTAGCAAACCGGGATGAGAGCTACCAGTTCAAGACAGGAGCG
GAGGTCCTCAAGCTCATGGATGCTGTTATGCTGCAACTGACTAGAGCCAGAAGCCGGCTCACTACCCAG
CCACCCTCACCTGCCGGAGATTGCTGCCAGCGGCCTCACGCGGATGTTTGCACCTACCCTACCCTCTGA
CCTGCTGGTCAATGTCTACATCAACCTCAACAAGCTGTGCCTCACTGTATACCAGCTGCACGCCCTGCAA
CCCACCTCCACCAAGAATTCGCCCCGGCCGAGGCGCAGTGTCCACAGCCCCGGCGCTATGTTTGAGT
GGGGCTCACAGCGTCTCGAGGTGAGCCACGTGCACAAGGTAGAATGTGTGATACCCTGGCTCAACGATGC
CCTGGTAACTTCAACCGTCTCCCTGCAACTCTGCCAGCAGCTCAAGGACAAGATCGCTGTGTTTTCCAGC
TACTGGAGCTCCCGGCCCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223982 representing NM_133185
 Red=Cloning site Green=Tags(s)

MATAMAASAAERAVLEEEFRWLLHAEVHAVLRQLQDILKEASLRFITLPGPSTEGPAKQENFILGSCGTDQ
 VKGTLTLQGDALSQADVNLKMPRNNQLLHLAFREDKQWKLQQIQDARNHVSQAIYLLANRDESYQFKTGA
 EVLKLMDAVMLQLTRARSRLTPATLTLPEIAASGLTRMFAPTLPDLLVNVYINLNKLCITVYQLHALQ
 PTSTKNFRPAGGAVLHSPGAMFEWGSQRLEVSHVHKVECVIPWLNDAALVYFTVSLQLCQQLKDKIAVFS
 YWSSRPF

TRTRPLE - GFP Tag - V

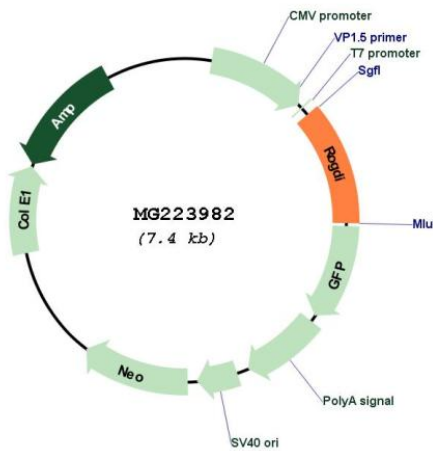
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_133185

ORF Size: 861 bp

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|-------------------------------|---|
| 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_133185.2 , NP_573448.2 |
| RefSeq Size: | 1392 bp |
| RefSeq ORF: | 864 bp |
| Locus ID: | 66049 |
| UniProt ID: | Q3TDK6 |
| Cytogenetics: | 16 2.49 cM |