

Product datasheet for **RG235982**

C1ORF151 (MINOS1) (NM_001204083) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1ORF151 (MINOS1) (NM_001204083) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: C1ORF151
Synonyms: C1orf151; Mic10; MINOS1; MIO10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235982 representing NM_001204083.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTGAGTCGGAGCTCGGCAGGAAGTGGGACCGGTGTCTGGCGGATGCGGTCGTGAAGATAGGTACT
GGTTTTGGATTAGGAATTGTTTTCTCACTTACCTTCTTTAAAAGAAGAATGTGGCCATTAGCCTTCGGT
TCTGGCATGGGATTAGGAATGGCTTATTCCAACGTGCAGCATGATTTCCAGGCTCCATATCTTCTACAT
GGAAAATATGTCAAAAACCTGCTGAAACCGTCAGCTGCCTGCAGCCAGCCATGTCTGCTGGAGAGATG
GGAGTAGGGGAGCCATCTCTGCACCAAAGCAAGAGTGAGGTATCACAGGGACCATGCAAGAAGAGGCG
CAGCTGTGTGGCACTGAAGCCGGCAGCCGGCCTTTCCACCCTCCCTGGCTCCTCGCTTCTCGGCAT
CAGAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235982
Blue=ORF Red=Cloning site Green=Tag(s)

```
MSESELGRKWDRCLADAVVKIGTGFGLGIVFSLTFFKRRMWPLAFGSGMGLGMAYSNQCQHFQAPYLLH
GKYVKNLLKPSAACSQPMSAGEMGVGEPVSLHQSKSEVITGTMQEEAQLCGTEAGSRFPPLPGSSLSWH
QS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

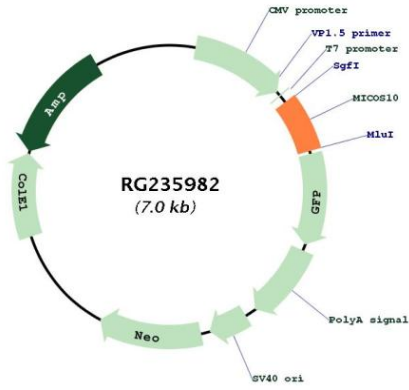


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Cloning Scheme:


- ACCN:** NM_001204083
- ORF Size:** 420 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).
- RefSeq:** [NM_001204083.2](#)
- RefSeq Size:** 3967 bp
- RefSeq ORF:** 423 bp
- Locus ID:** 440574
- Cytogenetics:** 1p36.13
- Protein Families:** Transmembrane
- MW:** 15.6 kDa
- Gene Summary:** Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG235982