

Product datasheet for **RG235431**

C1ORF151 (MINOS1) (NM_001204082) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1ORF151 (MINOS1) (NM_001204082) 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: >RG235431 representing NM_001204082.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTGAGTCGGAGCTCGGCAGGAAGTGGACCGGTGTCTGGCGGATGCGGTCGTGAAGATAGGAAGA
ATGTGGCCATTAGCCTTCGGTTCGGCATGGGATTAGGAATGGCTTATTCCAACGTGAGCATGATTTCC
CAGGCTCCATATCTTCTACATGGAAAATATGTCAAAGAGCAGGAGCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235431
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MSESELGRKWRCLADAVVKIGRMWPLAFGSGMGLGMAYSNCQHDFQAPYLLHGKYVKEQEQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGYTNRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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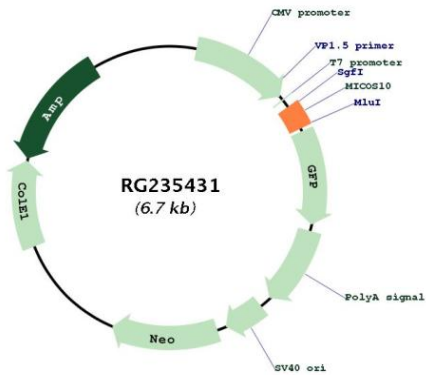
Cloning Scheme:


- ACCN:** NM_001204082
- ORF Size:** 186 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_001204082.1](#), [NP_001191011.1](#)
- RefSeq Size:** 3678 bp
- RefSeq ORF:** 189 bp
- Locus ID:** 440574
- Cytogenetics:** 1p36.13
- Protein Families:** Transmembrane

MW: 7.5 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 RG235431