

Product datasheet for RG212930

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

C1ORF151 (MINOS1) (NM_001032363) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: C1ORF151 (MINOS1) (NM_001032363) Human Tagged ORF Clone

Tag: TurboGFP Symbol: C1ORF151

Synonyms: C1orf151; Mic10; MINOS1; MIO10

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG212930 representing NM_001032363
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCTGAGTCGGAGCTCGGCAGGAAGTGGGACCGGTGTCTGGCGGATGCGGTCGTGAAGATAGGTACTGGTTTTGGATTAGGAATTGTTTTCTCACTTACCTTCTTTAAAAGAAGAATGTGGCCATTAGCCTTCGGTTCTGGCATGGGATTAGGAATGGCTTATTCCAACTGTCAGCATGATTTCCAGGCTCCATATCTTCTACATGGA

AAATATGTCAAAGAGCAGGAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212930 representing NM_001032363

Red=Cloning site Green=Tags(s)

 ${\tt MSESELGRKWDRCLADAVVKIGTGFGLGIVFSLTFFKRRMWPLAFGSGMGLGMAYSNCQHDFQAPYLLHG}$

KYVKEQEQ

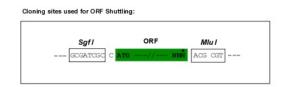
TRTRPLE - GFP Tag - V

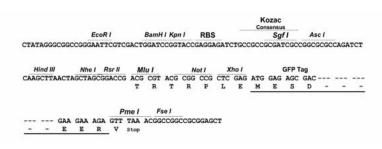
Restriction Sites: Sgfl-Mlul





Cloning Scheme:





ACCN: NM_001032363

ORF Size: 234 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.

RefSeq: NM 001032363.4

RefSeq Size: 2589 bp



RefSeq ORF: 237 bp
Locus ID: 440574
UniProt ID: Q5TGZ0
Cytogenetics: 1p36.13

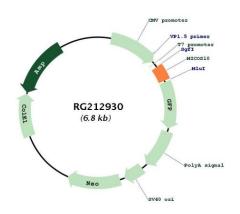
Protein Families: Transmembrane

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 RG212930