

Product datasheet for RC235982

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: Myc-DDK
Symbol: MICOS10
Synonyms: C1orf151; Mic10; MINOS1; MIO10
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235982 representing NM_001204083
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGAGTCGGAGCTCGGCAGGAAGTGGACCGGTGTCTGGCGGATCGGGTCGTAAGATAGGTACTG
 GTTTTGGATTAGGAATTGTTTTCTCACTTACCTTCTTTAAAGAAGAATGTGGCCATTAGCCTTCGGTTC
 TGGCATGGGATTAGGAATGGCTTATTCCAACCTGCAGCATGATTCCAGGCTCCATATCTTCTACATGGA
 AAATATGTCAAAAACCTGCTGAAACCGTCAGCTGCCTGCAGCCAGCCCATGTCTGCTGGAGAGATGGGAG
 TAGGGGAGCCATCTCTGCACAAAGCAAGAGTGAGGTCATCACAGGGACCATGCAAGAAGAGGCGCAGCT
 GTGTGGCACTGAAGCCGGCAGCCGGCCTTTCCACCACCTCCCTGGCTCCTCGCTTCTGGCATCAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235982 representing NM_001204083
 Red=Cloning site Green=Tags(s)
 MSELGRKWRCLADAVVKIGTGFGLGIVFSLTFFKRRMWPLAFGSGMGLGMAYSNCQHDFQAPYLLHG
 KYVKNLLKPSAACSQPMASAGEMGVGEP SLHQSKSEVITGTMQEEAQLCGTEAGSRFPPLPGSSLSWHQS

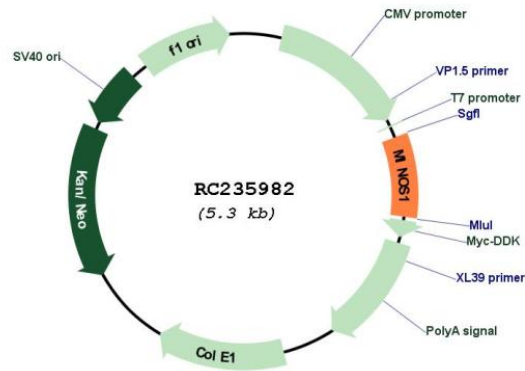
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:

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).
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:	<u>NM_001204083.2</u>
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]