

Product datasheet for **SC333876**

C1ORF151 (MINOS1) (NM_001204083) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1ORF151 (MINOS1) (NM_001204083) Human Untagged Clone
Tag:	Tag Free
Symbol:	MICOS10
Synonyms:	C1orf151; Mic10; MINOS1; MIO10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333876 representing NM_001204083. Blue=Insert sequence Red=Cloning site Green=Tag(s)

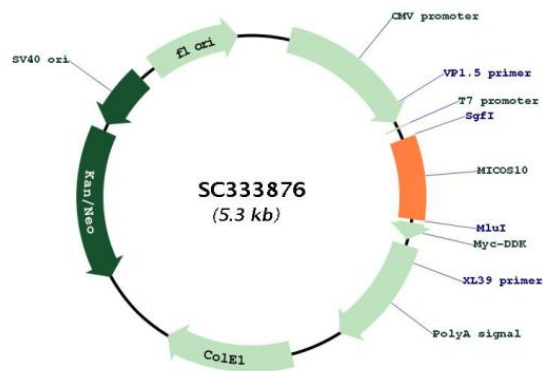
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTGAGTCGGAGCTCGGCAGGAAGTGGACCGGTGTCTGGCGGATGCGGTCGTGAAGATAGGTACT
GGTTTTGGATTAGGAATTGTTTTCTCACTTACCTTCTTTAAAAGAAGAATGTGGCCATTAGCCTTCGGT
TCTGGCATGGGATTAGGAATGGCTTATTCCAACGTGAGCATGATTTCCAGGCTCCATATCTTCTACAT
GGAAAATATGTCAAAAACCTGCTGAAACCGTCAGCTGCCTGCAGCCAGCCCATGTCTGCTGGAGAGATG
GGAGTAGGGGAGCCATCTCTGCACCAAAGCAAGAGTGAGGTATCACAGGGACCATGCAAGAAGAGGCG
CAGCTGTGTGGCACTGAAGCCGGCAGCCGGCCTTTCCACCCTCCCTGGCTCCTCGCTTCTCGGCAT
CAGAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_001204083

Insert Size: 423 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001204083.1](#)

RefSeq Size: 3967 bp

RefSeq ORF: 423 bp

Locus ID: 440574

Cytogenetics: 1p36.13

Protein Families: Transmembrane

MW: 15.1 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]
Transcript Variant: This variant (5) contains an alternate exon in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform c, which is longer and has a distinct C-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.