

Product datasheet for **RC229596**

MDFIC (NM_001166346) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MDFIC (NM_001166346) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MDFIC
Synonyms: HIC; MDFIC1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC229596 representing NM_001166346
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

GTGCGGGAGTCAGAGCCGCCACCCTGCCGAGTTGCCGCCACTGCGGCGTCTGGGCTGAGCCGGAGGG
 AGGCGGGAGGACGCGCAGGGGCGCCGCCGCTCGTCAGGCCACCGGGCGAAAATGCGGCCGCTGCCG
 GAGGCTCGCTAACTTTCCGGGGCGAAGAGGAGGAGGAGGAGGAAGGGCTTGGAGCGACTACGGGG
 GGATGCGGAGAAGCAGTCAGTTCCTGCACCCAGCACCTCACAGCCCTTCTCCGTGCGCCCTGCCGGG
 GCGGAGCTAGGCGGCAGCGCGCGCGGGCTCGGCGGAGCGGCCATGTCCGGCGGGCGAAGCCCT
 CGCTCCCGGGCCCGTGGGGCCGACGCGGTGGCCGAGGGCGGGCGGCCAGCTGGGCTCCACAGCCAG
 GGTCTCTTCAGCAGATCCAGACTGCCGCACTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229596 representing NM_001166346
 Red=Cloning site Green=Tags(s)
 VRGVRAATAAAVAATAASGLSRREAGGRAGAAAAYVPPGRKCGRCRRLANFPGRKRRRRRRLKGLATTG
 GCGEAVSSLHPAPHSPSSVRPAGRRARRRQRRGAGSARPMMSGAGEALAPGPVGPQRVAEAGGGQLGSTAQ
 GLFSRSRTAAAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001166346

ORF Size: 456 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_001166346.1](#), [NP_001159818.3](#)

RefSeq ORF: 459 bp

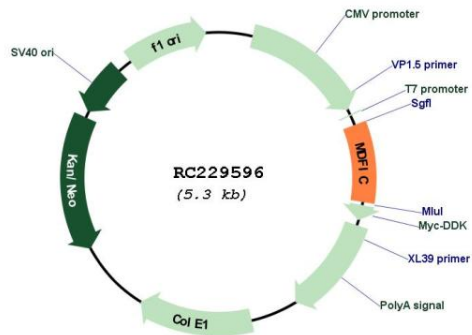
Locus ID: 29969

Cytogenetics: 7q31.1-q31.2

MW: 15.7 kDa

Gene Summary:

This gene product is a member of a family of proteins characterized by a specific cysteine-rich C-terminal domain, which is involved in transcriptional regulation of viral genome expression. Alternative translation initiation from an upstream non-AUG (GUG), and an in-frame, downstream AUG codon, results in the production of two isoforms, p40 and p32, respectively, which have different subcellular localization; p32 is mainly found in the cytoplasm, whereas p40 is targeted to the nucleolus. Both isoforms have transcriptional regulatory activity that is attributable to the cysteine-rich C-terminal domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Product images:


Circular map for RC229596