

Product datasheet for **MR218992**

Mdfic (NM_175088) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mdfic (NM_175088) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mdfic
Synonyms: Kdt1; Mdfid
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218992 representing NM_175088
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTGCGGGTGAAGCCCTCGCTCCCGGGCCGCGGAGCAGCAGTGCCTGGTTCGAGGCGGGCGGG
GCCGGTGGGCTCCCGGCCACGAAGCATGTAATGAGGACAATACGGAGAAAGATAAAAGGCCAGCTAC
CAGTGGCCATACCAGGTGTGGGCTGATGCGGGACCAGTCCATTTGGCCAAATCCTTCAGTGGTGAACCT
GTCAGAACCAACCTGAACGTCTGCCTCAACTCCAGACATCAGCACAGGAACCCGGAAGGAGGAAACAG
GCAAGATAAAGAATGGCGGCCACACAAGGATGAGCAATGGGAATGGAATTCCTCACGGAGCCAAACATGT
GTCCGTGGAGAATCAACAAGATATCAGCCCCGTTTCTCAGAAGATGCACAGAAAAATCCAGTCCAGCTTG
TCTGTAACAATGACATCAGTAAGAAGAGTAAAGTAAATGCTGTCTTTCCCAAAGCAGCCTCCTCAC
CCGAAGACTGCTGTGCCACTGTATCCTGGCATGCTTGTCTGTGAATTCCTGACCTCTGCAACATTGT
CCTGGGACAAGCTTCGTGTGGCATCTGCACCTCCGAAGCCTGCTGCTGTTGCTGTGGCGATGAGATGGGT
GATGACTGTAGCTGCCCTGTGACATGGACTGCGGCATCATGGATGCCTGTTGTGAATCGTCAGACTGTC
TAGAAATCTGCATGGAATGCTGTGGCATCTGTTTCCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218992 representing NM_175088
 Red=Cloning site Green=Tags(s)

MSCAGEALAPGPAEQQCPVEAGGRLGSPAHEACNEDNTEKDKRPATSGHTRCGLMRDQSIWPNPSAGEL
 VRTQPERLPQLQTSAQEPGKEETGKIKNGGHTRMSNGNGIPHGAKHVSVENHKISAPVSQKMRKIQSSL
 SVNNDISKSKVNAVFSKPAASSPEDCCVHCILACLFCFLTLNCNIVLGQASCGICTSEACCCCGDEM
 DDCSCPCDMDCGIMDACCESSDCLICMECCGICFPS

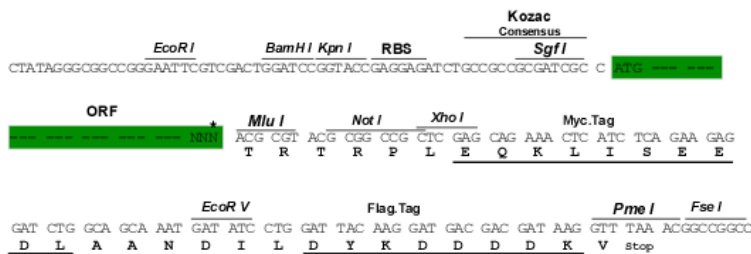
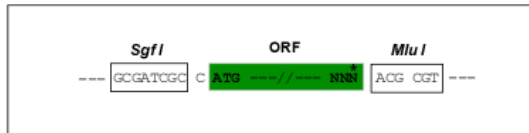
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9089_a06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_175088

ORF Size: 741 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_175088.5](#), [NP_780297.3](#)

RefSeq Size: 3435 bp

RefSeq ORF: 744 bp

Locus ID: 16543

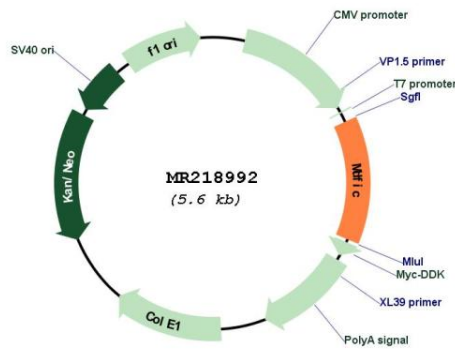
UniProt ID: [Q8BX65](#)

Cytogenetics: 6 A1

MW: 26.1 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, which in human have been shown to have different subcellular localization. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR218992