

Product datasheet for **RR200974**

Mdfi (NM_001109301) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mdfi (NM_001109301) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mdfi
Synonyms: RGD1560271
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200974 representing NM_001109301
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATG**TCCAGGTGAGCGGT**CAGTGCCTTCTCGCTGCGACGCGCCTCATGGAGTCCCAGCGCTGCCCTGG
ATCCAGCCCAGACCATGTCCCTCCTCCCTGGGCTGGAGGTAGTAGCAAGATCCACTCACCTGCAGAGGC
ATCGTCAAGAGGGCTCCAGGAGGAGCAGTACCCTCCATGCCCAAGACGGTGGTCTTGGGGTTCAC
CAGGCTCTAAACAGCACTGACCTCGATGTCCCCACAGAAGCTGTGACCGCTCAGCCTCAAGGGAACCCCC
AAGGCTGCACCCCACTACTGCCAAATGGCTCCGGCCACGACCCTCTCAGAACCAGGCGGTGCCGGGCA
TGCGGGGAACGGTGTCTGGGCGGGACCAAGGCCACCGGAAGTTGCAGACGCATCCATCTCTCGGCAGC
CAGGCCGAAGGAAGAGCAAAGGCAGCACCCGGTCCAGCCTCACAGGTTCCCTCCAGGCTCAGGAAGATT
GCTGTGTCCACTGCATACTGTCTGTCTTCTGTGAGTTCCTGACCCTCTGCAACATCGTCTGGACTG
CGCCACCTGCGGCTCCTGCAGCTCCGAGGACTCCTGTCTGTCTGTCTGTCTGTGGTCCGGCAGTGT
GCGGACTGCGACCTGCCCTGCGACCTGGACTGCGGCATCCTGGATGCCTGCTGCGAGTCGGCAGACTGCT
TGGAGATATGCATGGAGTGTGGGACTCTGCTTCTCCTCC

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTAA



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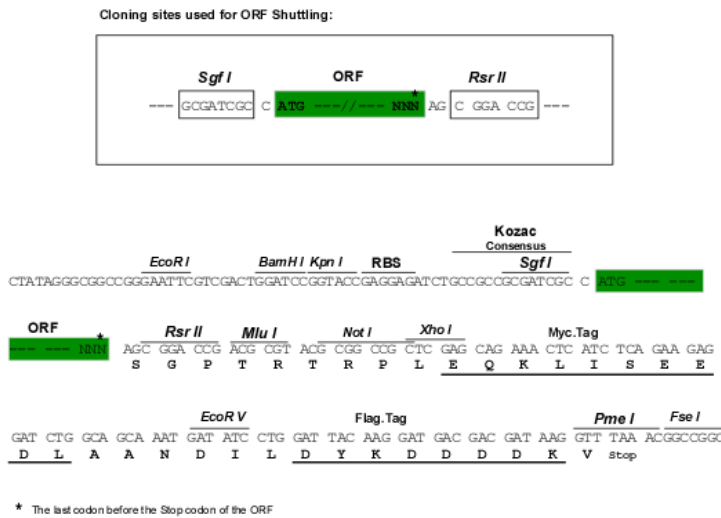
Protein Sequence: >RR200974 representing NM_001109301
 Red=Cloning site Green=Tags(s)

MSQVSGQCPSRCDAPHGVPSAALDPAQTMSELLPGLEVVARSTHPAEASSEEGSQEEAVPSMPQDGGGLGVH
 QALNSTDLDPVTEAVTRQPQGNPQGCTPLLPNGSGHDHLSPPGGAGHAGNGALGGTKAHRKRLQTHPSLGS
 QAGRKSKGSTRSASQVPLQAQEDCCVHCILSCLFCEFLTCNIVLDCATCGSCSSEDSCLCCCCCGSGEC
 ADCDLPCDLDCGILDACCESADCLEICMECCGLCFSS

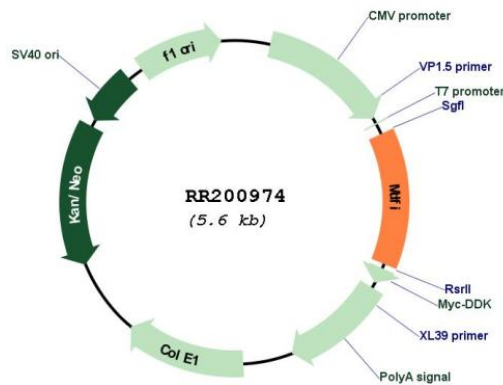
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109301
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:	<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:	NM_001109301.1 , NP_001102771.1
RefSeq Size:	1616 bp
RefSeq ORF:	744 bp
Locus ID:	501097
Cytogenetics:	9q12
MW:	25.2 kDa