

Product datasheet for **MR228489**

Mif4gd (NM_001243586) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mif4gd (NM_001243586) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mif4gd
Synonyms: 1110014L05Rik; 2310075G12Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228489 representing NM_001243586
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAGCGAGGCCAGTAGAGATGATTATAAAATCCAGTCTTTTGATGCAGAGACGCAGCAGCTGCTGAAGA
CCGCGCTCAAAGATCCAGGTGCTGTGGACTTAGAGAGAGTAGCCAACGTGATTGTGGACCATTCTCTGCA
GGACTGTGATTACAGCAAGGAAGCAGGACGCATGTGCTACGCCATCATTAGGCAGAGAGTAAGCAAGCG
GGCCAGAGCGTCTCCGCCGTGGGCTCCTCAACCGGCTGCAGAAGGAGTATGATGCGCGGGAGCAGCTCC
GAGCATGCTCCCTGCAGGGCTGGGTCTGCTATGTCACCTTTATCTGCAACATCTTTGACTACCTGAGGCT
GGCCAGCCTGAGAGTCTGAGCAGGGAAGAGGAGGTGGACTGCCTGGTGTGCAGCTGCACCGGGTCGGG
GAGCAGCTGGAGAAGATGAACGGGCAGCGCATGGATGAGCTTTATCCTAATCCGGGACGGCTTCTGCT
TCCCGACAGACCTCAGCTCCCTGGCAGGCTGCTGCTGCTGGAGATGATTGAGTTCCGGGACGCTGGCTG
AAGACCACTCCTGCTGCCCACAAGTATTACTACAGTGAGGTCTCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228489 representing NM_001243586
Red=Cloning site Green=Tags(s)

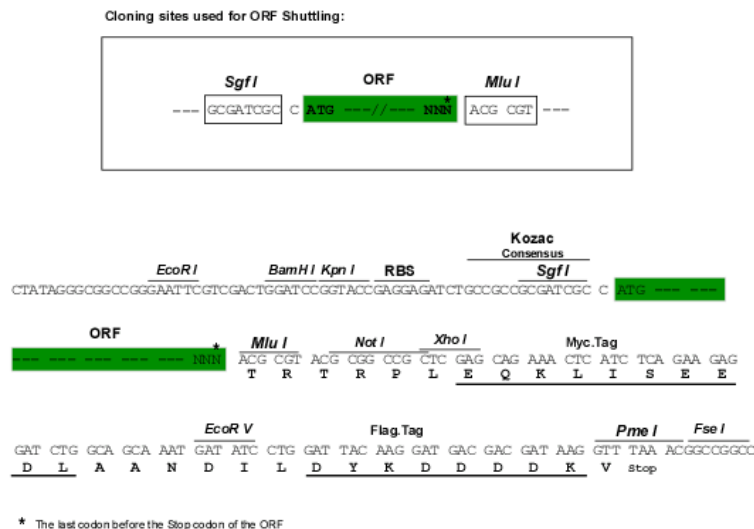
MSEASRDDYKIQSFAETQQLLKALKDPGAVDLERVANVIVDHSIQDCVFSKEAGRMCIYAIQAESKQA
 QGSVFRRLNRLQKEYDAREQLRACSLQGWVCYVTFICNIFDYLRLAQPELSREEVDCLVLQLHRVG
 EQLEKMNQRMDELFIIRDGFLPTDLSSLARLLLLLEMFRAAGWKTPAAHKYYYSEVSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001243586

ORF Size: 609 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001243586.1](#), [NP_001230515.1](#)

RefSeq Size: 1599 bp

RefSeq ORF: 612 bp

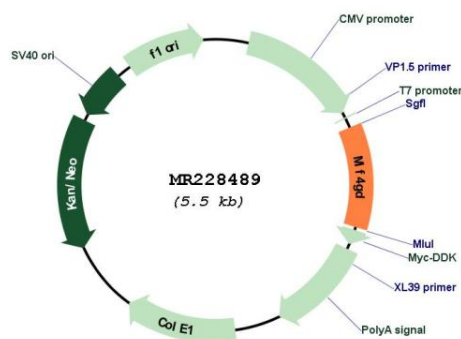
Locus ID: 69674

Cytogenetics: 11 E2

MW: 23.8 kDa

Gene Summary: Functions in replication-dependent translation of histone mRNAs which differ from other eukaryotic mRNAs in that they do not end with a poly-A tail but a stem-loop. May participate in circularizing those mRNAs specifically enhancing their translation (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228489