

Product datasheet for **MR228490**

Mif4gd (NM_001243587) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mif4gd (NM_001243587) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mif4gd
Synonyms: 1110014L05Rik; 2310075G12Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228490 representing NM_001243587
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCGAGGCCAGTAGAGATGATTATAAAATCCAGTCTTTTGATGCAGAGACGCAGCAGCTGCTGAAGA
CCGCGCTCAAAGATCCAGGTGCTGTGGACTTAGAGAGAGTAGCCAACGTGATTGTGGACCATTCTCTGCA
GGACTGTGTATTCAGCAAGGAAGCAGGACGCATGTGCTACGCCATCATTAGGCAGAGAGTAAGCAAGCG
GGCCAGAGCGTCTCCGCCGTGGGCTCCTCAACCGGCTGCAGAAGGAGTATGATGCGCGGGAGCAGCTCC
GAGCATGCTCCCTGCAGGGCTGGTCTGCTATGTACCTTTATCTGCAACATCTTTGACTACCTGAGGCT
GGCCAGCCTGAGAGTCTGAGCAGGGAAGAGGAGGTGGACTGCCTGGTGTGTCAGCTGCACCGGGTCGGG
GAGCAGCTGGAGAAGTGAACGGGCAGCGCATGGATGAGCTTTTATCCTAATCCGGGACGGCTTCTCTGC
TCCCGACAGACCTCAGCTCCCTGGCAGGCTGCTGCTGCTGGAGATGATTGAGTCCGGGACGCTGGCTG
GAAGACCACTCTGCTGCCACAAGTATTACTACAGTGAGGTCTCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228490 representing NM_001243587
Red=Cloning site Green=Tags(s)

MSEASRDDYKIQSFDAETQQLLKTALKDPGAVDLERVANVIVDHSLQDCVFSKEAGRMICYAIIQAESKQA
GQSVFRRGLLNRLQKEYDAREQLRACSLQGWVCYVTFICNIFDYLRLAQPELSREEEVDCLVLQHRVG
EQLEKMNGQRMDELFIILIRDFLLPTDLSLARLLLLLEMIEFRAAGWKTPAAHKYYYYSEVSD

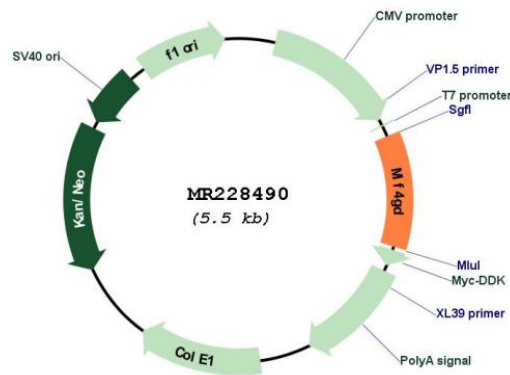
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001243587

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.

RefSeq: [NM_001243587.1](#), [NP_001230516.1](#)

RefSeq Size: 1315 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]