

## Product datasheet for **MC226278**

### Mif4gd (NM\_001243586) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mif4gd (NM\_001243586) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mif4gd  
**Synonyms:** 1110014L05Rik; 2310075G12Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226278 representing NM\_001243586  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAGCGAGGCCAGTAGAGATGATTATAAAATCCAGTCTTTTGATGCAGAGACGCAGCAGCTGCTGAAGA  
CCGCGCTCAAAGATCCAGGTGCTGTGGACTTAGAGAGAGTAGCCAACGTGATTGTGGACCATTCTCTGCA  
GGACTGTGTATTACAGCAAGGAAGCAGGACGCATGTGCTACGCCATCATTACAGGCAGAGAGTAAGCAAGCG  
GGCCAGAGCGTCTCCGCCGTGGGCTCCTCAACCGGCTGCAGAAGGAGTATGATGCGCGGGAGCAGCTCC  
GAGCATGCTCCCTGCAGGGCTGGGTCTGCTATGTACACCTTTATCTGCAACATCTTTGACTACCTGAGGCT  
GGCCAGCCTGAGAGTCTGAGCAGGGAAGAGGAGGTGGACTGCCTGGTGTGTCAGCTGCACCGGGTCGGG  
GAGCAGCTGGAGAAGTGAACGGGCAGCGCATGGATGAGCTTTTATCCTAATCCGGGACGGCTTCCTGC  
TCCCGACAGACCTCAGCTCCCTGGCAGGCTGCTGCTGCTGGAGATGATTGAGTTCCGGGACGCTGGCTG  
GAAGACCACTCTGCTGCCACAAAGTATTACTACAGTGAGGTCTCTGAC**TAA**

**ACGCGT**ACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001243586  
**Insert Size:** 612 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001243586.1</a></u> , <u><a href="#">NP_001230515.1</a></u>
<b>RefSeq Size:</b>	1599 bp
<b>RefSeq ORF:</b>	612 bp
<b>Locus ID:</b>	69674
<b>Cytogenetics:</b>	11 E2
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. Variants 3 and 4 encode isoform 2, which is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>