

## Product datasheet for **RN206301**

### Mif4gd (NM\_001014122) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mif4gd (NM\_001014122) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mif4gd  
**Synonyms:** RGD1309685  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN206301 representing NM\_001014122  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGGCGAGGCCAGCAGAGATGAGTATAAAATCCAGTCTTTCGATGCAGAGACTCAGCAGCTGCTGAAGA  
CTGCACTCAAAGATCCAGGTGCTGTGGACCTGGAGAGAGTAGCCAACGTGATTGTGGACCATTCTGCA  
GGACTGCGTATTCAGCAAGGAAGCAGGACGGATGTGCTACGCCATTATTCAGGCAGAGAGTAAGCAAGCA  
GGCCAGAGCGTCTCCGCGTGGGCTCCTCAACCGGCTGCAGAAGGAGTACGATGCCCGGAGCAGCTTC  
GAGCATGCTCCCTGCAGGGCTGGGTCTGCTATGTACCTTTATCTGCAACATCTTTGACTACCTGAGGGT  
GAACAACATGCCCATGATGGCCCTGGTTAACCTGTCTATGACTGTCTCTCCAGCTGGCCAGCCTGAG  
AGTCTGAGCAGGGAAGAGGAGGTGGACTGCCTGGTGTGTCAGCTGCACCGGGTTGGGAGCAGCTGGAGA  
AGATGAATGGGCAGCGCATGGATGAGCTTTTATCCTAATCCGGGATGGCTTCTGCTCCCATAGACCT  
CAGCTCCCTGGCCGGTTGCTGCTGTGAGATCATTGAGTTCGGGCAGCTGGCTGGAAGACCACGCT  
GCCGCTCATAAGTATTACTACAGTGAGGTGTCTGACT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001014122  
**Insert Size:** 669 bp



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<b>OTI Disclaimer:</b>	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).
<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_001014122.1</a></u> , <u><a href="#">NP_001014144.1</a></u>
<b>RefSeq Size:</b>	1322 bp
<b>RefSeq ORF:</b>	669 bp
<b>Locus ID:</b>	360659
<b>UniProt ID:</b>	<u><a href="#">Q6AXU7</a></u>
<b>Cytogenetics:</b>	10q32.1
<b>Gene Summary:</b>	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]