

## Product datasheet for **RG207489**

### MIF4GD (NM\_020679) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MIF4GD (NM_020679) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MIF4GD
Synonyms:	AD023; MIFD; SLIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207489 representing NM_020679 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGAGCCCAGTAGAGAGGAGTATAAAATCCAGTCCTTTGATGCAGAGACCCAGCAGCTGCTGAAGA  
CAGCACTCAAAGTTGCCTGCTTTGAGACAGAAGATGGAGAATATCCGTTTGCCAGAGGAGCTATAGTAA  
TTGCTCTCGCCTGATGCCTTCCCGCTGTAACACGCAGTACAGAGATCCGGGTGCTGTGGACTTGGAGAAA  
GTGGCCAATGTGATTGTGGACATTCTCTGCAGGACTGTGTGTTCCAGCAAGGAAGCAGGACGCATGTGCT  
ACGCCATCATTAGGCAGAGAGTAAACAAGCAGGCCAGAGTGTCTCCGACGTGGACTCCTCAACCGGCT  
GCAGCAGGAGTACCAGGCTCGGGAGCAGCTGCGAGCACGCTCCCTGCAGGGCTGGGTCTGCTATGTCACC  
TTTATCTGCAACATCTTTGACTACCTGAGGGTGAACAACATGCCATGATGGCCCTGGTGAACCCCTGCT  
ATGACTGCCTCTTCCGGCTGGCCAGCCAGACAGTTTGGCAAGGAGGAGGAGGTGGACTGTTTGGTGTCT  
GCAGCTGCACCGGTTGGGGAGCAGCTGGAGAAAATGAATGGGCAGCGCATGGATGAGCTCTTTGTGCTG  
ATCCGGGATGGCTTCTGCTCCCACTGGCCTCAGCTCCCTGGCCAGCTGCTGCTGGAGATCATTG  
AGTTCCGGGCGGCCGGCTGGAAGACAACGCCAGCTGCCACAAGTATTACTACAGCGAAGTCTCCGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207489 representing NM\_020679  
Red=Cloning site Green=Tags(s)

MGEPSREEYKIQSFDAETQQLLKTALKVACFETEDGEYSVCQRSYSNCSRLMPSRCNTQYRDPGAVDLEK  
VANVIVDHSLQDCVFSKEAGRMCYAI IQAESKQAGQSVFRRGLLNRLQQEYQAREQLRARS LQGWCYVT  
FICNIFDYLRVNNPMMALVNPVYDCLFRLAQPDLSKEEEVDCLVQLHRVGEQLEKMGQRMDEL FVL  
IRDGFLPTGLSSLAQLLLEII EFRAAGWKTPAAHKY YSEVSD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020679

**ORF Size:** 768 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\\_020679.3](#)

**RefSeq Size:** 1433 bp

**RefSeq ORF:** 771 bp

**Locus ID:** 57409

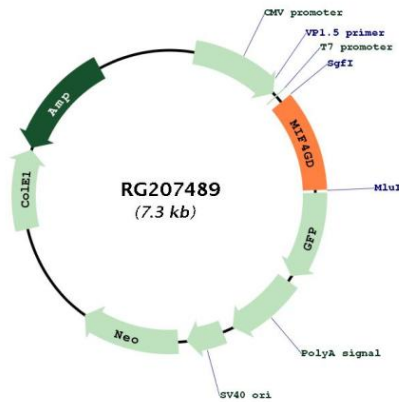
**UniProt ID:** [A9UHW6](#)

**Cytogenetics:** 17q25.1

**Domains:** MIF4G, MA3

**Gene Summary:** This gene encodes a protein which interacts with the N-terminus of the stem-loop binding protein (SLBP) and the 3' end of histone mRNA. This interaction facilitates the activation of histone mRNA translation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011]

**Product images:**



Circular map for RG207489