

Product datasheet for **RG232321**

MIF4GD (NM_001242498) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIF4GD (NM_001242498) 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:	>RG232321 representing NM_001242498 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGAGCCCAGTAGAGAGGAGTATAAAATCCAGTCCTTTGATGCAGAGACCCAGCAGCTGCTGAAGA
CAGCACTCAAAGCCCGTCTCTTGAATGCACAGTTGCCTGCTTTGAGACAGAAGATGGAGAATATCCGT
TTGCCAGAGGAGCTATAGTAATTGCTCTCGCCTGATGCCTTCCCGCTGTAACACGCAGTACAGAGATCCG
GGTGTGTGGACTTGGAGAAAGTGGCCAAATGTATTGTGGACCATTCTCTGCAGGACTGTGTGTTACGCA
AGGAAGCAGGACGCATGTGCTACGCCATCATTAGGCAGAGAGTAAACAAGCAGGCCAGAGTGTCTCCG
ACGTGGACTCCTCAACCGGCTGCAGCAGGAGTACCAGGCTCGGGAGCAGCTGCGAGCACGCTCCCTGCAG
GGCTGGGTCTGCTATGTACCTTTATCTGCAACATCTTTGACTACCTGAGGGTGAACAACATGCCCATGA
TGGCCCTGGTGAACCCTGTCTATGACTGCCTCTTCCGGCTGGCCAGCCAGACAGTTTGAGCAAGGAGGA
GGAGGTGGACTGTTTGGTGTGCTGCAGCTGCACCGGTTGGGGAGCAGCTGGAGAAAATGAATGGGCAGCGC
ATGGATGAGCTCTTTGTGCTGATCCGGGATGGCTTCTGCTCCCAACTGGCCTCAGCTCCCTGGCCAGC
TGCTGTGCTGGAGATCATTGAGTTCGGGGCGCCGGCTGGAAGACAACGCCAGCTGCCACAAGTATTA
CTACAGCGAAGTCTCCGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232321 representing NM_001242498
 Red=Cloning site Green=Tags(s)

MGEPSREEYKIQSFDAETQQLLKTALKAPSLECTVACFETEDGEYSVCQRSYSNCSRLMPSRCNTQYRDP
 GAVDLEKVANVIVDHSLQDCVFSKEAGRMCYAIIQAESKQAGQSVFRRGLLNRLQQEYQAREQLRARSLO
 GWVCYVTFICNIFDYLRVNNMPPMALVNPVYDCLFRLAQPDLSKEEEVDCLVLQLHRVGEQLEKMNGQR
 MDEL FVLIRDFGLLPTGLSSLAQLLLLEIEFRAAGWKTPAAHKYYYYSEVSD

TRTRPLE - GFP Tag - V

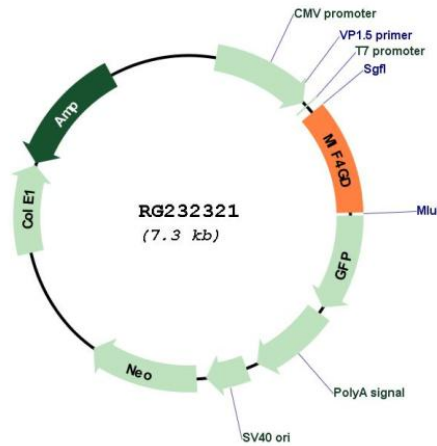
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001242498

ORF Size: 789 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:	<ol style="list-style-type: none">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_001242498.1 , NP_001229427.1
RefSeq Size:	1462 bp
RefSeq ORF:	792 bp
Locus ID:	57409
UniProt ID:	A9UHW6
Cytogenetics:	17q25.1
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]