

Product datasheet for **MG202548**

Mif4gd (NM_027162) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mif4gd (NM_027162) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mif4gd
Synonyms:	1110014L05Rik; 2310075G12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202548 representing NM_027162 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGAGGCCAGTAGAGATGATTATAAAATCCAGTCTTTTGATGCAGAGACGCAGCAGCTGCTGAAGA
CCGCGCTCAAAGATCCAAGTGTGTGGACTTAGAGAGAGTAGCCAACGTGATTGTGGACCATTCTCTGCA
GGACTGTGATTTCAGCAAGGAAGCAGGACGCATGTGCTACGCCATCATTAGGCAGAGAGTAAGCAAGCG
GGCCAGAGCGTCTCCGCCGTGGGCTCCTCAACCGGCTGCAGAAGGAGTATGATGCGCGGGAGCAGCTCC
GAGCATGCTCCCTGCAGGGCTGGTCTGCTATGTCACCTTTATCTGCAACATCTTTGACTACCTGAGGGT
GAACAACATGCCATGATGGCCCTGGTTAACCTGTCTATGACTGTCTCTCCAGCTGGCCAGCCTGAG
AGTCTGAGCAGGGAAGAGAGGAGTGGACTGCCTGGTGTGCTGCAGCTGCACCGGGTCGGGAGCAGCTGGAGA
AGATGAACGGGCAGCGCATGGATGAGCTCTTTATCCTAATCCGGGACGGCTTCTGCTCCCGACAGACCT
CAGCTCCTGGCACGGCTGCTGCTGCTGGAGATGATTGAGTTCGGGCAGCTGGCTGGAAGACCCTCTCT
GCTGCCCAAGTATTACTACAGTGAGGTCTCTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202548 representing NM_027162
 Red=Cloning site Green=Tags(s)

MSEASRDDYKIQSFDAETQQLLKTALKDPSAVDLERVANVIVDHSLQDCVFSKEAGRMCYAIQAESKQA
 GQSVFRRGLLNRLQKEYDAREQLRACSLQGWVCYVTFICNIFDYLRVNNMPPMALVNPVYDCLFQLAQPE
 SLSREEEVDCLVLQHRVGEQLEKMNGQRMDLFLILIRDGFLLPDLSLARLLLLLEMIEFRAAGWKTP
 AAHKYYYSEVSD

TRTRPLE - GFP Tag - V

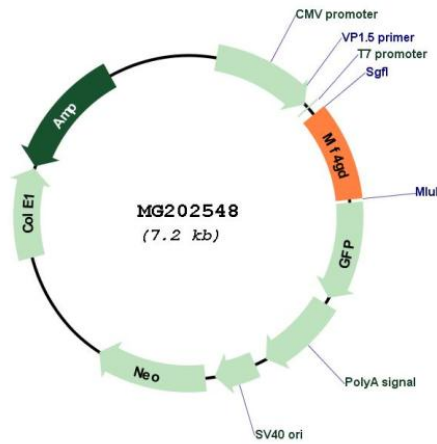
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_027162

ORF Size: 666 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_027162.3 , NP_081438.3
RefSeq Size:	1670 bp
RefSeq ORF:	669 bp
Locus ID:	69674
UniProt ID:	Q3UBZ5
Cytogenetics:	11 E2
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]