

## Product datasheet for **MG212928**

### Myrfl (NM\_001033333) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myrfl (NM_001033333) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Myrfl
Synonyms:	Gm239
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MG212928 representing NM\_001033333  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGTGCTGGGTGAAAACGAGGCTCTGCAGCAGTTCTTTGAAGCACAGGGAGCCAGTGGCACTCTGG  
 AGAACCCAGCCCTGGATACGAGTCTGCTTGAAGAATTCTTGGCAATGACTTTGATTTAGGAGCCTTGCA  
 ACGGCAGCTCCCTGACACCCACCTTACTCTGCATCCGACCCACGCTCTCCTCCACAGGTCAAAGGCGCA  
 TGCTGCAGGACCCGAGACCTCCGGCAGGGAGGATCCCAGCTGCTTTTCTCCACTCCACCACAGCACCCG  
 GGCCCTGCCTGAGCATCCATCCAGAGCATGGCTGGCCAAACCCACAGCAGTTTTTCAGAACGGCTACCC  
 GGAATCCAGTCAACCCGCCACCTGCCGGCACAAACGGGGCCCTCCCGTTGGGGACGAGTTGCTCTTTC  
 CACCAGCAGCCTTTGTGCCACGTTCTGGATCCTGTTACCCCGACAAAGAAGAGAAAGCACTCGCAGA  
 TACAAGAGGACTCGTGGGACTGTAGTTCATGGGCCACTACTTCAGACCAATGACAACACTAGTCTCAGAG  
 CATCGAAGTGCAGGACCACGACAGAGAGGGACGTAACGGGATGCCTGTGGACCAGTGTTCTCCTGCTCTG  
 AAGTGGCAGCCATACAAAGTGTCTTGGCATAGCTTGTAAACAGCCGTTACGAAAACTGCCTGAAG  
 TGGGCTATCAGGTTGTGACAGACAAAGGTTCACTTTCTCGCCAGTTCGATGAAGCTTTTGTGTTGCAAAA  
 GAAGAACCATTTCCAGATAACCGTCCACATCCAAGTCTGGGGAAGTCCGAAGTTTGTAAAGCCCAAGTG  
 GCCTAAAGCCAAATAGAAAAGTTTTACTTGAAGCTTTTGGAAATTAAGGTGGAAGCCACCAACCAAGTGA  
 TTGCCATAGAACAGTCTCAAGCAGATAGAAGCAAAAAGACTTTTGATCCTGTTAAATCGACCTCCTGAC  
 TGACCAGGTTACCAAAGTGACCTGGGACGATTACACTTAGTGAACCACAGCAAAACACATGAGAAAAG  
 AAGGGGAAGCCGAATCCTGATCAGAGGTAATTCATGTTGGTGGTGGATTGTACGCTGCTAACCAAGATG  
 AGTTCTACCTGTTGGCTGCCACATCTCTGAAAGGATCATCGTAAGGGCCTCTAACCCCTGGGCAAGTTGA  
 AAATGACAGTGACGCACTGTGGCAGCGAGGACAAGTTCCAGAATCCATCGTCTGTGATGGGCGAGTAGGA  
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 ATCCCTCTGACAGCCGAGTGAAGGAGAACATTCAGGAGGTTGACACAAATGAACAGCTGAGAAGAATAGC  
 CCAGATGAGGATTGTTCACTACGACTACAACTGAATTTGCATCTGCCATGGGGATAAACACTGCCCAT  
 CAAACAGGAATGATTGCCAAGAGGTGCAAGAGATCCTGCCAGAGCTGTGAGAGAGGTTGGGGATGTC  
 CCGGTGGAATGGGGAGACACTGGAGAACTTCTCATGGTGGACAAGGACCAGATCTTCATGGAGAATGT  
 GGGCGCCGTGAAGCAGCTGTGCAAACTACCAACAACCTGGAAGAAAGAATAGAGGAGTTAGAAAATATGG  
 AACAAAAAGCTGGCCAGGCTAAAACGCCTCAGTAGCAGCTGGAAGTCTCCATCAGCGAAGCCAGTTCCA  
 TCAGCAAATGAGCAGAGCTGTTAGTGATCTTCAGCCAGAAGGACAGGTTCCAAAAAGCCACCAAGGT  
 CTATTCTCAGGAAGGAAGCAGTCGTGTCTAACTGGGTTTTCCAGACCTTGGTTGTAGTGCTGATTGCC  
 GTGATGGCATTGTTGTCCTTGACAATAGTTGCCCTCTACATACTTAGCTTAAAGGATCAAGACCGGCGCT  
 CCCCAAATCTCCCTCTAAGCAATATGACAAGCTCTCCAGAGCCAGCTCTGTCTCCACAGCTCCTACCTC  
 AGCTCCCATAACAACCCGGAGACCACACAGACCTCCCTGCAAGTGCCCGAAATCACTTTCTGTGAGATC  
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 GACAACCTGGAAGCAGAGAGAGATCCATCAGAGACAAATGGGCAGAAGACAAAAGCAAATCGTTCCTGAC  
 AAGCAGTGGCCTTATCAGCCCAGACTGGGAAAGTGACTGGATCGACACAACCATCGCTTCCATTGAGATT  
 GTAGAAAATCCAGCAAATGATAGACCGTCCGTAAGTGCAGCAGAATGCTCCACTGCGGGCCTGGGCACTATA  
 ATTATAACATTCTGTTAATAAGAACACACCCACCAACGTCAAATTTCTCTGGAATCAACACAACAGA  
 GCCACTGATAGTCTTCCAGTGAATAACAGCTAGGGAATATATGTTTCCGAGTCAACGGGAAAGAACC  
 CAGAGCGATGGAGAAGATGCTCAGATGACACAGGGATACCAGCACATTTGGAGGCTTCCCGTGGCCCGGT  
 TCTCCGACAGCGCATACCATTTCCGGGTAGCCGACCAAGATTTAGCCGACTGTTGACGGATCCTTTTTT  
 TGCTGGGATTTCTTACAGATTACTTCTTTTATTTCTATCGACGTTGTAAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >MG212928 representing NM\_001033333  
 Red=Cloning site Green=Tags(s)

MDVLGENEALQQFFEAQGASGTLENPALDTSLLEEF LGNDFDLGALQRQLPDTTPPYASDPRSPQVKGA  
 CCRTPRPPAGRIPAAFLHSTTAPGPLPEHPSQSMAGQTHSSFQNGYPESHHPATCRHQTGPSRLGTSCSF  
 HQQPLCHVPGSSLPPTKKRKHSQIQEDSWDCSSWAHYFRPMTTRSQSIEVQDHDREGRNGMPVDQCSPAL  
 KWQPYQSVPWHSLLNSRYEKLPEVGYQVVDKGF TFSVPDEAFVCQKKNHFQITVHIQVWGS PKFVKTV  
 GLKPIEKFYLKAFGIKVEATNQVIAIEQSQADRSKKTFDPVKIDLLTDQVTKVTLGRLHFSETTANNMRK  
 KGKPNPDQRYFMLVVGLYAANQDQFYLLAAHISERIIVRASNPGQFENDSDALWQRGQVPESIVCHGRVG  
 INTDTPDEALVVCNMMKVMGTVMHPSDSRVKENIQEVDNEQLRRIAQMRIQYDYKPEFASAMGINTAH  
 QTGMIAQEVQEILPRAVREVGDTVGGNETLENFLMVDKQDIFMENVGAVKQLCKLTNNLEERIEELEIW  
 NKKLARLRLSSWKSSISEASSISKLSRAVSASSARRTGSKKPTKVSFSGRKQSCPNNVQFTLVVLLIA  
 VMAFCAL TIVAL YILSLKDQDRRSPNPLSNMTSSPEPALSSAPTAPHTT PETTQTS LQVPEITFC EI  
 LPCQETYCCPVWGPRI LFS SPAQRQLEAEREIHQRQWAEDKSKSFLTSSALISPDWESDWIDTTIASIQI  
 VEIQMIDRRYCSRMLHCGPGHYNYNIPVKNKPTNVKFSLEINTTEPLIVFQCKYTLGNICFRSQRERT  
 QSDGEDAQM TQGYQHIWRLPVARFSDSAYHFRVAAPDLADCSTDPFFAGIFFTDYFFYFYRRCN

TRTRPLE - GFP Tag - V

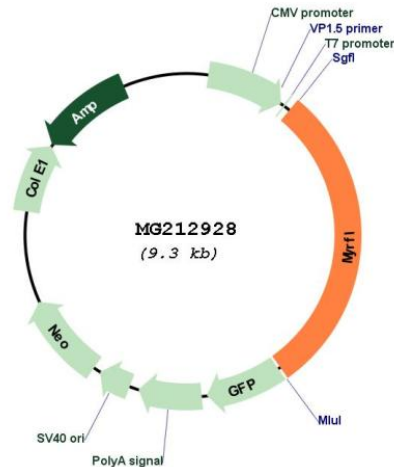
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001033333

ORF Size: 2712 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\\_001033333.3](#), [NP\\_001028505.1](#)

RefSeq Size: 3114 bp

RefSeq ORF: 2715 bp

Locus ID: 237558

UniProt ID: [Q3UN70](#)

Cytogenetics: 10 D2