

## Product datasheet for **RG211357**

### MYBPHL (NM\_001010985) Human Tagged ORF Clone

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                            |
| Product Name:             | MYBPHL (NM_001010985) Human Tagged ORF Clone                                   |
| Tag:                      | TurboGFP                                                                       |
| Symbol:                   | MYBPHL                                                                         |
| Mammalian Cell Selection: | Neomycin                                                                       |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                        |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                         |
| ORF Nucleotide Sequence:  | >RG211357 representing NM_001010985<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCAGCCACAGCTCCGGAGGTGGCCGAGGATCCAAGCTGAAGGTGAAAGAAGCCAGCCAGCGG  
ATGCTGAACACCCAGGCTTCACCTGGACAGGGGCTGGCAGCCCCACTCCCAGCTCTGCCCCCTAT  
AGAAGAGCACCCCAAGATCTGGCTACCTCGGGCCTGAGGCAGACCTACATCCGGAAGTTGGGGACACA  
GTGAACCTACTAATCCCATTCCAGGGCAAGCCAAACCTCAAGCCATCTGGACACATGATGGCTGTGCCT  
TGGACACCAGGCGTGTGAGTGTGCGGAATGGGGAGCAAGACTCCATCCTCTTCATCCGAGAAGCCCAACG  
TGCTGACTCAGGTCGCTACCAACTCCGCGTGCAGCTGGGTGGGCTGGAGGCCACCGCCACCATTGACATC  
CTGGTGATTGAGAGGCCAGGCCCTCCTCAGAGTATTAAGCTGGTGGACGTTTGGGGCTTCAGCGCTACAC  
TGGAATGGACACCGCCCCAAGATACGGGGAATACAGCACTTCTGGGATACACGGTGCAGAAGGCTGACAC  
AAAATCCGGGCTGTGGTTCACGGTGTGGAGCACTATCACCGCACCAGCTGCATCGTCTCTGACCTCATC  
ATCGGCAACTCCTATGCCTTCCGTGTCTTTGCTGAAAACCAAGTGCAGTCAAGTCAAGACCCCAAGGCT  
CCACGGACCTCGCCACATCCAGAAAGCAGCTACTGTTTACAAGACCAAGGGTTTGCCCAACGAGACTT  
CTCTGAAGCCCCAAAGTTTACCCAGCCTCTGGCCAACTGCACTACAGTACCGGCTATAATACCCAGCTC  
TTCTGCTGTGTCCGCGCCTCTCCCCGGCCCAAGATCATCTGGCTGAAGAACAAGATGGATATCCAAGGCA  
ACCCTAAGTACAGAGCCCTGACTCACCTGGGAATCTGCTCCCTAGAGATCCGCAAGCCGGGTCCCTTTGA  
TGGAGGCATCTATACTTGAAGGCGGTGAACCCCTAGGGGAGGCATCTGTGGACTGTGGGTGGATGTG  
AAGTTCTCTAAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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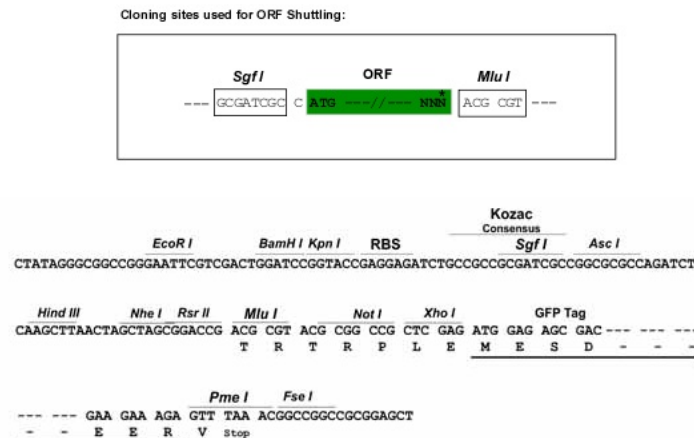
**Protein Sequence:** >RG211357 representing NM\_001010985  
 Red=Cloning site Green=Tags(s)

MEAATAPEVAAGSKLVKEASPADAEPQASPGQGAGSPTPQLLPPIEEHPKIWLPRALRQTYIRKVGDT  
 VNLLIPFQGKPKPQAIWTHDGCALDTRRVSVRNGEQDSILFIREAQRADSGRYQLRVQLGGLEATATIDI  
 LVIERPGPPQSIKLVVDWGFSALEWTPPQDTGNTALLGYTVQKADTKSGLWFTVLEHYHRTSCIVSDLI  
 IGNSYAFRVFAENQCGLSETAPITTDLAHIQKAATVYKTKGFAQRDFSEAPKFTQPLANCTTVTGYNTQL  
 FCCVRASPRPKIWLKNKMDIQGNPKYRALTHLGICSLERKPGPFDDGGIYTCKAVNPLGEASVDCRVDP  
 KVPN

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001010985

**ORF Size:** 1062 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001010985.1](#), [NP\\_001010985.1](#)

**RefSeq Size:** 1372 bp

**RefSeq ORF:** 1065 bp

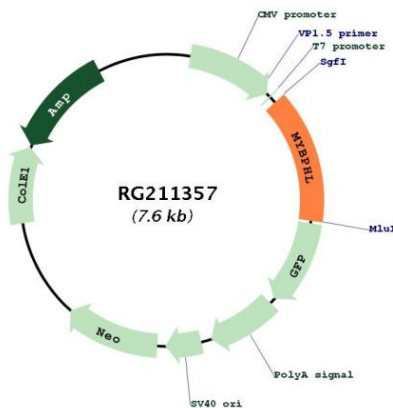
**Locus ID:** 343263

**UniProt ID:** [A2RUH7](#)

**Cytogenetics:** 1p13.3

**Gene Summary:** This gene encodes a protein with two immunoglobulin superfamily domains and a fibronectin 3 domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2012]

## Product images:



Circular map for RG211357