

## Product datasheet for **MG217051**

### Phyhipl (NM\_178621) Mouse Tagged ORF Clone

#### Product data:

|                           |                         |
|---------------------------|-------------------------|
| Product Type:             | Expression Plasmids     |
| Tag:                      | TurboGFP                |
| Symbol:                   | Phyhipl                 |
| Synonyms:                 | 4921522K17Rik; AI267048 |
| Mammalian Cell Selection: | Neomycin                |
| Vector:                   | pCMV6-AC-GFP (PS100010) |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |

**ORF Nucleotide Sequence:** >MG217051 representing NM\_178621  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGGTGCGCGCCTGGACCATGCCCTCAGCAGCCCCAGTAGTCCGTGTGAGGAGATCAAGAACCTCA  
GCCTGGAGGCCATCCAGCTGTGCGACCGTGATGGTAACAAATCACAAAGACAGTGGCATAGCAGAGATGGA  
AGAGCTACCTGTCCACATAACATCAAAAATAAATACATCAGTGTGACTCCTTCAAGATCTCATGGGAT  
ATGGACTCCAAGTGAAGGACCGCATCAGCAGTACTTCATTGACCTCAACAAGAAAAGAGAACAAGAACT  
CGAACAAAGTTTAAACACAAGGATGTTCCAACAAAATTGGTGGCCAAAGCTGTTCCCTTGCCAATGACTGT  
TCGTGGACTGGTTTTGAGCCCAAGGACTGAGTATACAGTAGCGGTACAGACTGCCTCAAAACAGTT  
GATGGTGATTACGTCGTGTCTGAATGGAGTGAGATTATAGAATTCTGTACAGCAGATTACTCCAAAGTTC  
ATCAACACAGCTGCTGGAGAAGGCTGACGTGATTGCAGGACGCATGCTTAAGTTCTCTGTTTTCTATCG  
GAACAGCACAAGAGTATTTTGACTATGTGAGAGAACAATGGAATGCTATGCAGCCTTCCATCAAG  
GATAACAGTGGTAGCCATGGCTCACCATCAGTGGAAACTGGAAGGCATCTTCTCAGCTGCAGCACTG  
AGTTCAATACAGGGAAGCCACCCAGGATTCACCATATGGAAGATACAGTTTGTAGATTGCAGCAGAAAA  
ACTTTTCAACCCCAATACTAATTAATACTTTGGGGACTTCTACTGTATGACACGGCTTATCATTATGTG  
ATTCTTGTCATTGCCCTGTGGGATCACCAGGAGATGAATTTGTAAAGCAGCGCTTCTCACTAAAT  
CCAAGGATAATAATTTTTGACCTGTACAGAAGAAGATGGGGTGTGGTGTACCACCAGCCAGGATGT  
CATTTTAGAAGTCAATTAACACTGACCCTGTGGCTCTTCCCTGGGCACCGTGGCAGAAATCACTGGTCAT  
CAGCTCATGAGTTGTCTACTGCAATGCAAAGAAGACCCAGCTGCAAACCTGTAAACATCAGTGTCG  
GACGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



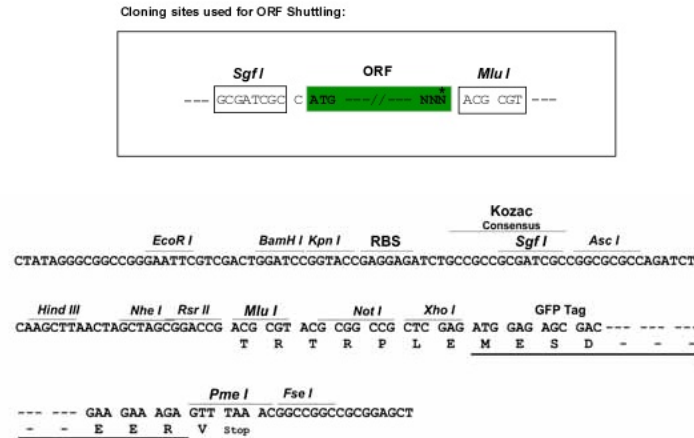
**Protein Sequence:** >MG217051 representing NM\_178621  
Red=Cloning site Green=Tags(s)

```
MEVPRLDHALSSPSSPCEEIKNLSLEAIQLCDRDGNKSQDSGIAEMEELPVPHNIKINNITCDSFKISWD
MDSKSKDRITHYFIDLNKKENKNSNKFKHKDVPKLVAKAVPLPMTVRGHWFLSPRTEYTVAVQTASKQV
DGDYVVSEWSEIIEFCTADYSKVHLTQLLEKADVIAGRMLKFSVFYRNQHKEYFDYVREHYGNAMQPSIK
DNSGSHGSPISGKLEGIFFSCSTEFNTGKPPQDSPYGRYRFEIAAEKLFNPNTNLYFGDFYCMYTAYHYV
ILVIAPVGSPPGDEFCKQRLPQLNSKDNNFLTCTEEDGVLVYHHAQDVILEVIYTDPVALLSLGTVAEITGH
QLMSLSTANAKKDPSCKTCNISVGR
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178621

**ORF Size:** 1125 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\\_178621.4](#), [NP\\_848736.2](#)

**RefSeq Size:** 2873 bp

**RefSeq ORF:** 1128 bp

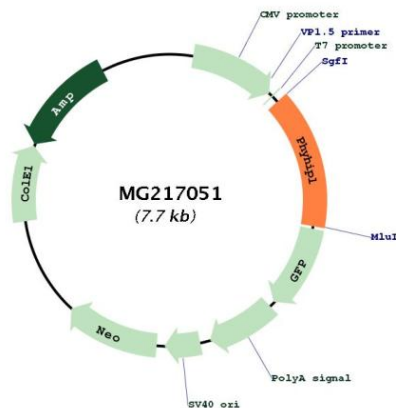
**Locus ID:** 70911

**UniProt ID:** [Q8BGT8](#)

**Cytogenetics:** 10 B5.3

**Gene Summary:** May play a role in the development of the central system.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG217051