

## Product datasheet for **MG211047**

### Phf14 (BC040236) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Phf14 (BC040236) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Phf14
Synonyms:	1110001C23Rik; 4932409F11Rik; 5730446A07Rik; AA623952; AV297001; mKIAA0783
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG211047 representing BC040236  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCGCAGCTCCAAGAGGAGGCAGGTGAAGCCTTTGGCCGCTTCTCTCTGGAAGCTCTTGATTATG  
 ATAGTTCAGATGACAGTGATTTTAAAGTTGGAGATGCTTCAGATTCTGAAGGGAGTGGTAATGGAAGTGA  
 AGATCCTTCAAAGGACAGTGGAGAAGGTTCTGTAGTGATTCTGAGGAAAACATTTTAGAAGAAGAAGTGA  
 AATGAAGATATTTCAAGTAAAAGAAGAAGCAGCTTAAAAATCTACAGAGGAAATAATGCCATCAGACAAAAC  
 AGTTAATTTAAATGGAAGAAGGAAGAAGAAGAAAACGGAGAAAAGACCTAGAAAAGAAAAGGAGAAAAGA  
 GAAGGAGAAAAGAAAAGGAAAAGGAGAAGGACAAAGAGAAAAGCAACAATATCTGATAGTGCAGCTGCTTCT  
 GCTGCTGGCACCACACCAGCCACAAGCCCTCTGCTGTCACTCCCTTCTGTCCCTACCACCCTACCA  
 CCACCACGGAGGAACAAGTCAGTGAGCCCAAGAAATGGAATCTTCGTGGAAACCGTCCCCTGTTGGACTT  
 TGTATCCATGGAAGAAGTCAATGCTATGGATGATTATGACAGTGAGGATGATAATGACTGGAGACCTACT  
 GTAGTAAAGAGAAAAGGGCGCATCAGCGTCTCAGAAGGAGGGCAGTGATGGAGACAATGAGGATGATGACG  
 ATGAGGGAAGTGGGAGTGAAGGAGATGAGAATGATGAGGGCAATGATGAAGATCATAGCAGCCCTGCTAG  
 CGAAGCAGGTGGCAAGAAGAAGAGGAGTAAAGTCTTAGCAGAAAACAGTCTGATGATGAGGAAGTGAAC  
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 GACTCTATTATGAGTTCGGCTTCTGAAAACCTCACTGAGCCTTGGTTTTGTGATGCCTGTAATGTGGTG  
 TATCTCCTAGCTGTGAACATATGCTCAATCAGGATGGGATTTTCAAGGAGACGGATGCTGGAAGATGGGT  
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 GAACTGGAGTTTGCATTAGCTGTGATGCAGGCATGTGTAGAGCCTATTTCCATGTCACCTGTGCCAAAAA  
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 CATGCAGACAGATTAGACAGAAAATGGAAGAAGAAAACACTTGGCTCTACAATCCTATTGTAAGTGT  
 CTTTGAAGAGAGAGAAAACAGCTGTCCCTGAAGCAGAGGCAAGGATCAATGCCCGACTACAGCAATA  
 TCGTGCCAAGGCAGAGCTGGCGCATCTACCAGACCACAAGCCTGGGTTCCAAGGAAAAGCTACCCAGG  
 CCACTGACAAGTAGTGTTCGGCTATTCGTAAGCTTATGCGCAAAGCAGAGCTGATGGGAATCAGTACGG  
 ATATCTTTCCAGTGGACAACCTCAGATACTAGTCTAGTGTGGATGGAAGGCGGAAGCATAAGCAGCCCGC  
 TCTCACTGCTGATTTTGTGAATTAATTTTGGAGAAAATATGCGCATGATTCAAATTCAGGAAAATATG  
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 CTTACTTGGCCGAATTACAGGGCAGAAGTTGAATGTACCAGCAATCTTACGAGCACCTAAGGAAAGGAAA  
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 GTTCAACTGCAAAGGAACTGGAGATAATGAGAATCTTGTGACG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – **GTTTAA**

Protein Sequence: >MG211047 representing BC040236  
 Red=Cloning site Green=Tags(s)

MDRSSKRRQVKPLAASLLEALDYDSSDDSDFKVGDASDSESGNGSEDPKSDSGEGSCSDSEENILEEEL  
 NEDIQVKEEQLKNSTEEIMPSDKQLIKMEKKEEEEENGERPRKKKEKEKEKEREKDEKATISDSAAAS  
 AAGTTPATSPPAVTPSPVPTTTTTTTEEQVSEPKKWNLRRNRPLLDVFSMEELNAMDDYDSEDDNDWRPT  
 VVKRKGSRASQKEGSDGDNEDDDDEGSGSEEDENDEGNEDHSSPASEAGGKKRKSIVL SRNSADDEELT  
 NDSLTL SQSKSNEDSLILEKSNWSSQKMDHILICCVCLGDNSEDADEIQCDNCGITVHEGCGYVDGES  
 DSIMSSASENSTEPWFCDACKCGVSPSCCLCPNQDGIKFETDAGRWHIVCALYVPGVAFGDIDKLRPVT  
 LTEMNYSKYGAKECSFCEDPRFARTGVCISCDAGMCRA YFHVTC AQKEGLLSEAAAEEEDIADPFAYCKQ  
 HADRLDRKWKRNLYALQSYCKMSLQEREKQLSPEAQARINARLQQYRAKAEARSTRPQAWVPREKLR  
 PLTSSASAIRKLMRKAELMGISTDIFPVDNSDTSSVDGRRKHKQPALTADFVNYFERNMRMIQIQENM  
 AEQKNIKDKLENEQEKLHVEYNKLCESLEELQNLNGKLRSEGQGIWALLGRITGQKLNVPAILRAPKERK  
 PSKKEGGTQKTSALPTVLYSCGICKKNHDQHLLLLCDTCKLHYHLGCLDPPLTRMPRKTKNYSWQCSECD  
 QAGSSDMEAEMAMETLPDGTKRSRRIKEPVKFPQDVPPEPKIPIRNRTRGRKRSFVPEEEKHEERV  
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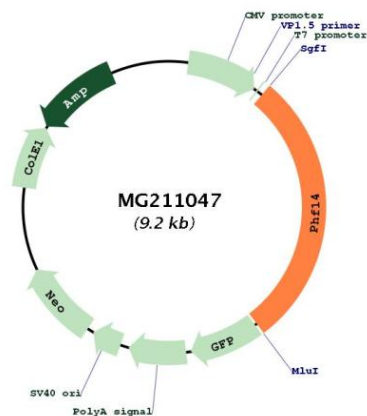
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



<b>ACCN:</b>	BC040236
<b>ORF Size:</b>	2634 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC040236.1</a>
<b>RefSeq Size:</b>	3998 bp
<b>RefSeq ORF:</b>	2636 bp
<b>Locus ID:</b>	75725
<b>Cytogenetics:</b>	6 A1

**Product images:**


Circular map for MG211047