

## Product datasheet for **RG213234**

### **BPIFC (NM\_174932) Human Tagged ORF Clone**

#### **Product data:**

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Product Type:</b>             | Expression Plasmids     |
| <b>Tag:</b>                      | TurboGFP                |
| <b>Symbol:</b>                   | BPIFC                   |
| <b>Synonyms:</b>                 | BPIL2                   |
| <b>Mammalian Cell Selection:</b> | Neomycin                |
| <b>Vector:</b>                   | pCMV6-AC-GFP (PS100010) |
| <b>E. coli Selection:</b>        | Ampicillin (100 ug/mL)  |



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**ORF Nucleotide Sequence:** >RG213234 representing NM\_174932  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTGTACAAAGACAATCCCAGTCTCTGGGGATGTTTCTCTGTGGAATCTCTATGTCTCATCTCTC  
 AGACCATTTACCCTGGAATCAAGGCAAGGATTACTCAGAGGGCACTTGACTATGGTGTTCAGCTGGAAT  
 GAAGATGATTGAGCAATGCTAAAAGAAAAGAACTCCAGATTTAAGCGGTTCTGAGTCTCTTGAATTT  
 CTAAGAGTTGATTATGAACTACAATTTTCAAATATAAAATCAGTGCCTTTTCATTCCAAATACCT  
 CATTGGCTTTTGTGCTGGAGTGGGAATCAAAGCGCTAACCAACCATGGCACTGCCAACATCAGCACAGA  
 CTGGGGGTTTCGAGTCTCCACTTTTCCAAGACACAGGAGGGGCTGATCTGTTTCTCTCCGGAGTCTACTTT  
 ACCGGTATCATTATCCTAACCCGAAATGACTTTGGTATCCTACCCTGAAGCTCCAAGATTGCTACGCCC  
 AACTGAGCCATGCCACGTCTCATTTCCGGAGAAGTCAAGTGTCTGTATAACTCCTTGTGAGCCCAT  
 GGAGAAACCATTTTAAAGAACTAAATGAAATGCTCTGTCCATTATTGCAAGTGAAGTCAAAGCGCTA  
 AATGCCAACCTCAGCACACTGGAGGTTTTAACCAAGATTGACAACTACACTCTGCTGGATTACTCCCTAA  
 TCAGTTCTCCAGAAATTAAGAACTACCTTGACCTGAACTTGAAGGGTGTATTCTACCCACTGGAAAA  
 CCTCACCGACCCCCCTTCTCACCAGTTCCTTTGTGCTCCAGAACGAGCAACTCCATGCTCTACATT  
 GGAATCGCCGAGTATTTCTTAAATCTGCGTCTTTGCTCATTTCACAGCTGGGGTTTTCAATGTCACTC  
 TCTCCACCGAAGAGATTTCCAACCATTTTGTTCAAAACCTCTCAAGGCCTTGGCAACGTGCTCTCCCGGAT  
 TGCAGAGATCTACATCTGTCCAGCCCTTCATGGTGAGGATCATGGCCACAGAGCCTCCCATATCAAT  
 CTACAACAGGCAATTTACCCTGGACATCCCTGCCTCCATCATGATGCTACCCAACCAAGAAGTCCA  
 CAGTTGAAACCATCGTTTCCATGGACTTCGTTGCTAGTACCAGTGTGGCCTGGTTATTTTGGGACAAAG  
 ACTGGTCTGCTCCTTGTCTCTGAACAGATTCGGCCTTGCTTTGCCAGAGTCCAATCGCAGCAACATTGAG  
 GTCTTGAGGTTTGAAGATATTCTATCGTCCATTCTCACTTTGGAGTCTCCCACTGGCCAAATGCAAAAT  
 TGCAGCAAGGATTTCTCTGTCCAATCCACAAAATCTTATTCTGCAATTGAGATATTGAAGTTCTTGA  
 GGGTTTCTTTGATTTCCACCGACCTGAAGTATGAACATCCTCAAAGCAGCAGCCAAGTTTCCACGTA  
 TGGGAAGGTCTGAACCTGATAAGCAGACAGTGGAGGGGGAAGTCAGCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG213234 representing NM\_174932  
 Red=Cloning site Green=Tags(s)

MCTKTIPVLWGCFLLNLYVSSSQTIYPGIKARITQRALDYGVDQAGMKMIEQMLKEKKLPDLSGESLEF  
 LKVDYVNYNFSNIKISAFSFPNTSLAFVPGVGIKALTNHGTANISTDWGFESPLFQDTGGADLFLSGVYF  
 TGIIILTRNDFGHPTLKLQDCYAQLSHAHVSFSGELSVLYNSFAEPMKPIILKNLNEMLCPIIASSEVKAL  
 NANLSTLEVLTKIDNYLLDYSLISSPEITENYLDNLKGVFYPLENLDPFSPVPFVLPERSNSMLYI  
 GIAEYFFKSASFHFTAGVFNVTLSSTEEISNHFVQNSQGLGNVLSRIAIEIYILSQPFMVRIMATEPPIIN  
 LQPGNFTLDIPASIMMLTQPKNSTVETIVSMDFVASTSVGLVILGQRLVCSLSLNRFRALPESNRSNIE  
 VLRFEINILSSILHFGVLPANAKLQQGFPLSNPHKFLFVNSDIEVLEGFLLISTDLKYETSSKQQPSFHV  
 WEGLNLISRQWRGKSAP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



**ACCN:** NM\_174932

**ORF Size:** 1521 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\\_174932.2](#), [NP\\_777592.1](#)

**RefSeq Size:** 1524 bp

RefSeq ORF: 1524 bp

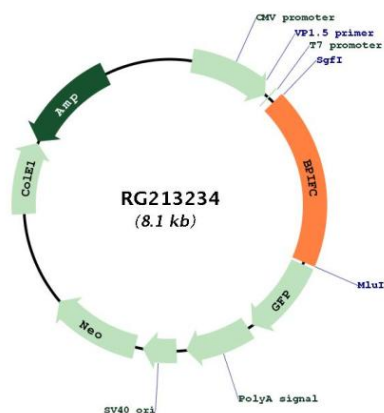
Locus ID: 254240

UniProt ID: [Q8NFAQ6](#)

Cytogenetics: 22q12.3

Protein Families: Druggable Genome

**Product images:**



Circular map for RG213234