

## Product datasheet for **RG226133**

### **PHTF2 (NM\_001127358) Human Tagged ORF Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                         |
| Product Name:             | PHTF2 (NM_001127358) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                    |
| Symbol:                   | PHTF2                                       |
| Mammalian Cell Selection: | Neomycin                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                      |



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**ORF Nucleotide Sequence:**

>RG226133 representing NM\_001127358  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGTCCAAGTCACAGATGCTATAGTCTGGTATCAAAGAAGATTGGAGCATATGATCAACAAATAT  
 GGGAAAAATCTGTTGAACAGAGAGAAATCAAGGGGCTAAGGAATAAACCAAAGAAAAACAGCACATGTGAA  
 ACCAGACCTCATAGATGTTGATCTTGTAAAGAGGTCTGCATTTGCAAAGGCAAAGCCTGAAAAGTCTTGG  
 ACTTCTCTGACCAGAAAGGAATTGTTTCGAGTTGATTTTTTCCCTTTTTCTTCCGGTGGTGGTTACAAG  
 TAACATCAAAGGTCATCTTTTTCTGGCTTCTTGTCTTTATCTTCTCAAGTTGCTGCAATAGTATTATT  
 CTGCTCCACTTCTAGCCACACAGCATACTCTGACAGAGGTGATTGGGCCGATATGGCTGATGCTGCTC  
 CTGGAACTGTGCATTGCCAGATTGTTCCACAAGAACACCCAAACCTCCTCTAAGTACAGGGGGTAAAA  
 GAAGAAGGAAATTAAGAAAAGCAGCCATTTGGAAGTACATAGGGAAGGAGATGGTTCTAGTACCACAGA  
 TAACACACAAGAGGGAGCAGTTCAGAACCAGGTACAAGCACCTCTCACAGCGTTGGCAGTGTCTCAGA  
 GATCTCTGGCATGCTGCTTTCTTTTATCAGGATCAAAGAAAGCAAAGAATTCATTGATAAATCAACTG  
 AAAGTACAATGGCTATGTATCCCTTGATGGGAAGAAGACTGTTAAAAGCGGTGAAGATGGAATACAAAA  
 CCATGAACCTCAGTGTGAACTATTCGACCAGAAGAGACAGCCTGGAACACAGGAACACTGAGGAATGGT  
 CCTAGCAAAGTACCCAAAGGACAATAACAAATGTCTCTGATGAAGTCTCCAGTGAGGAAGGTCCTGAAA  
 CAGGATACTCATTACGTCGTATGTGGACAGGACTTCTGAAGGTGTTCTTCGGAATAGAAAGTACACCA  
 TTATAAGAAACATTACCTAATGAGGACGCCCTAAATCGGGTACTAGTTGCAGCTCTCGCTGTTCAAGT  
 TCCAGACAGGATTCTGAGAGTGAAGGCCAGAATCTGAAACAGAAGATGTGTTATGGGAAGACTTGTAC  
 ATTGTGCAGAATGCCATTCATCTTGTACCAGTGAGACAGATGTGGAAAATCATCAGATTAATCCATGTGT  
 GAAAAAAGAATATAGAGATGACCCTTTTTCATCAGAGTCATTTGCCCTGGCTCCATAGTTCACCCAGGA  
 TTAGAAAAATAAGTGCTATAGTATGGGAAGGTAAATGATTGTAAGAAAGCAGACATGTCTGTACTTGAAA  
 TCAGTGGAAATGATAATGAACAGAGTGAACAGCCATATACCAGGAATAGGATACCAGATTTTTGGAATGC  
 AGTCTCTCTCACTGGGTTAACTCCATTTGTTTTCCGACTTTCTCAAGCTACAGACTTGAACAACCTC  
 ACAGCACATTCTGCTTCAGAACTTTATGTGATTGCATTTGGTTCTAATGAAGATGCATAGTTCTTTCTA  
 TGGTTATAATAAGTTTTGTTGCGTGTCTCTTGTGTGGATTTCTTTTTTTGCTCTGTGTAGCAGA  
 AAGAACTTATAAACAGCGATTACTTTTTGCAAACTCTTTGGACATTTAACATCTGCAAGGAGGGCTCGA  
 AAATCTGAGGTTCTCATTTCGGTTGAAGAAAGTACAGAATATAAAAATGTGGCTATCTCTCCGTTCTC  
 ATCTTAAGCGTCGAGGTCCTCAGCGATCAGTTGATGTAATAGTTTCATCTGCTTTCTTATTGACTATCTC  
 AGTTGATTTTATCTGTTGTGCCAGCTACTTCATGTACACGAGATCTTCCTTGATTGTCACTACAATTGG  
 GAATTGGTAATCTGGTGCATCTCGTTAACACTTTTTCTCCTAAGATTTGTTACCCTTGGATCAGAAACAA  
 GTAAAAATATAGTAATACCTCAATATTACTTACTGAACAGATAAACCTCTACTTGAAAATGGAGAAAA  
 ACCTAACAAAAAGGAGGAACTGACACTAGTGAATAATGTTTTAAAAGTGGCTACTAACTGCTAAAGGAG  
 TTGGACAGTCTTTTAGATTATATGGGCTTACAATGAATCCGCTGCTTTAATACATCACCCAGGTTGTTA  
 TCCTGTACAGTGTCTGGTGTATCAGTGAATGCTTGGATTAATTTAAAGCTATGGAAGATTAAGTC  
 A

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >RG226133 representing NM\_001127358  
Red=Cloning site Green=Tags(s)

```
MASKVTD AIVWYQKKIGAYDQQIWEKSVEQREIKGLRNKPKKTAHVKPDLDVLDVLRGSAFAKAKPESPW
TSLTRKGI VRVVFPPFFFRWWLQVTSKVIFFWLLVLYLLQVAAI V LFCSTSSPHSIPLTEVIGPIWLMML
LGTVHCQIVSTRTPKPLSTGGKRRRRLRKA AHLEVHREGDGSSTTDNTQEGAVQNHGTSTSHSVGTVFR
DLWHA AFFLSGSKKAKNSIDKSTETDNGYVSLDGKKT V KSGEDGIQNHQPQCETIRPEETA WNTGTLRNG
PSKDTQRITITNV SDEV S E EGPETGYS LRRHVDRTSEGVL RNRKSHHYK KHYPNEDAPKSGTSCSSRCSS
SRQDSE SARPESETEDVLWEDLLHCAECHSSCTSETDVENHQINPCVKKEYRDDPFHQSHLPWLHSSHPG
LEKISAI VWEGNDCKKADMSVLEISGMIMNRVNSHIPGIGYQIFGNAVSLILGLTPFVFRLSQATDLEQL
TAHSASELYVIAFGSNEDVIVLSMVIISFVVRVSLVWIFFLLCVAERTYKQRLLF AKLFGHLTSARRAR
KSEVPHFRLKKVQNIKMWLSRLSYLKRGRQPORSVDVIVSSAFLLTISVVFICCAQLLHVHEIFLDCHYNW
ELVIWCISLTLFLLRFVTLGSETSKKYSNTSILLTEQINLYLMEKKPNKKEELTLVNNVLKLATKLLKE
LDSPFRLYGLTMNPLLYNITQVVILSAVSGVISDLLGFNLKLVKIKS
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001127358

**ORF Size:** 2241 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\\_001127358.2](#)

**RefSeq Size:** 5102 bp

**RefSeq ORF:** 2244 bp

**Locus ID:** 57157

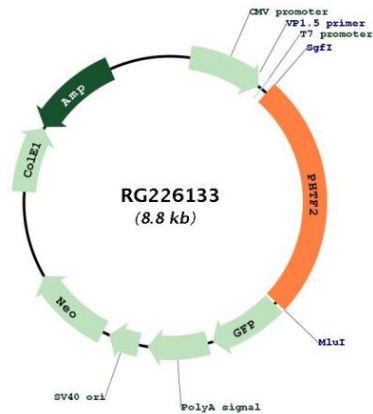
**UniProt ID:** [Q8N3S3](#)

**Cytogenetics:** 7q11.23-q21.11

**Protein Families:** Transcription Factors, Transmembrane

**Gene Summary:** May play a role in transcription regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG226133