

## Product datasheet for **RG225529**

### **PHTF2 (NM\_001127359) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHTF2 (NM_001127359) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHTF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225529 representing NM_001127359 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTCCAAAGTCACAGATGCTATAGTCTGGTATCAAAGAAGATTGGAGCATATGATCAACAAATAT  
GGGAAAAATCTGTTGAACAGAGAGAAATCAAGTTTATTAACCTGGGGCTAAGGAATAACCAAAGAAAAC  
AGCACATGTGAAACCAGACCTCATAGATGTTGATCTTGTAAAGAGGGTCTGCATTTGCAAAGGCAAAGCCT  
GAAAGTCCTTGGACTTCTCTGACCAGAAAGGGAATTGTTTCGAGTTGTATTTTTCCCCTTTTCTCCGGT  
GGTGGTTACAAGTAACATCAAAGGTCATCTTTTTCTGGCTTCTTGTCTTTATCTTCTTCAAGTTGCTGC  
AATAGTATTATTCTGCTCCACTTCTAGCCACACAGCATACCTCTGACAGAGGTGATTGGGCCGATATGG  
CTGATGCTGCTCCTGGAACTGTGCATTGCCAGATTGTTCCACAAGAACACCCAAACCTCCTCTAAGTA  
CAGGGGTAAAAGAAGAAGGAAATTAAGAAAAGCAGCCATTTGGAAGTACATAGGGAAGGAGATGGTTC  
TAGTACCACAGATAACACACAAGAGGGAGCAGTTCAGAACCACGGTACAAGCACCTCTCACAGCGTTGGC  
ACTGTCTTCAGAGATCTCTGGCATGCTGCTTTCTTTTATCAGGATCAAAGAAAGCAAAGAATTC AATTG  
ATAAATCAACTGAACTGACAAATGGCTATGTATCCCTTGATGGGAAGAAGACTGTTAAAAGCGGTGAAGA  
TGAATACAAAACCATGAACCTCAGTGTGAACTATTCGACCAGAAGAGACAGCCTGGAACACAGGAACA  
CTGAGGAATGGTCTAGCAAAGATACCCAAAGGACAATAACAAATGTCTCTGATGAAGTCTCCAGTGAGG  
AAGGTCCTGAAACAGGATACTCATTACGTCGTCATGTGGACAGGACTTCTGAAGGTGTTCTCGGAATAG  
AAAGTCACACCATTATAAGAAACATTACCTAATGAGGTATATACTTTGTCTTAAGTGTATACATACGT  
ATCTATTTTATATGTTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225529 representing NM\_001127359  
Red=Cloning site Green=Tags(s)

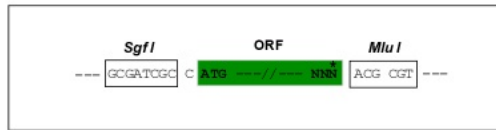
MASKVTD AIVWYQKKIGAYDQQIWEKSVEQREIKFIKGLRNKPKKTAHVKPDLDVDLVRGSAFAKAKP  
 ESPWTS LTRKGI VRVVF PFFFFRWWLQVTSKVIFFWLLVLYLLQVAIVLFCSTSSPHSIPLTEVIGPIW  
 LMLLLGTVHCQIVSTRTPKPPLSTGGKRRRKLKAAHLEVHREGDGSSTDNTQEGAVQNHGTSSTSHSVG  
 TVFRDLWHAFFLSGSKKAKNSIDKSTETDNGYVSLDGKKT V KSGEDGIQNHQPQCETIRPEETAWNTGT  
 LRNGPSKDTQRTITNVSDVSSSEEGPETGYSLRRHVDRTSEGVLNRKSHHYKHHYPNEVYTL SLSVYIIR  
 IYFICY

TRTRPLE - GFP Tag - V

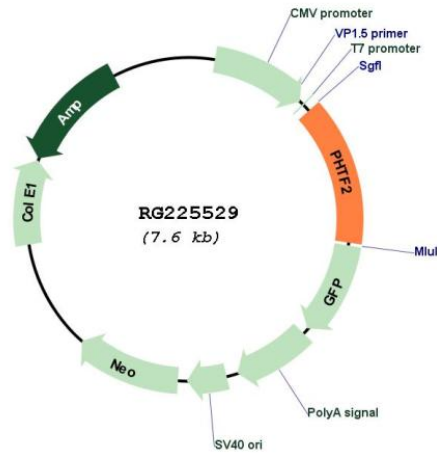
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001127359

<b>ORF Size:</b>	1068 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="#">NM_001127359.1</a> , <a href="#">NP_001120831.1</a>
<b>RefSeq Size:</b>	2548 bp
<b>RefSeq ORF:</b>	1071 bp
<b>Locus ID:</b>	57157
<b>UniProt ID:</b>	<a href="#">Q8N3S3</a>
<b>Cytogenetics:</b>	7q11.23-q21.11
<b>Protein Families:</b>	Transcription Factors, Transmembrane
<b>Gene Summary:</b>	May play a role in transcription regulation.[UniProtKB/Swiss-Prot Function]