

Product datasheet for **RG225526**

PHTF2 (NM_001127360) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHTF2 (NM_001127360) 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:	>RG225526 representing NM_001127360 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCCAAAGTCACAGATGCTATAGTCTGGTATCAAAGAAGATTGGAGCATATGATCAACAAATAT
GGGAAAAATCTGTTGAACAGAGAGAAATCAAGGGGCTAAGGAATAAACCAAGAAACAGCACATGTGAA
ACCAGACCTCATAGATGTTGATCTTGTAAAGAGGGTCTGCATTTGCAAAGGCAAAGCCTGAAAGTCCTTGG
ACTTCTCTGACCAGAAAGGGAATTGTTTCGAGTTGATTTTTCCCTTTTTCTTCCGGTGGTGTACAAG
TAACATCAAAGGTCATCTTTTTCTGGCTTCTTGCCTTTATCTTCTTCAAGTTGCTGCAATAGTATTATT
CTGCTCCACTTCTAGCCACACAGCATACCTCTGACAGAGGTGATTGGGCCGATATGGCTGATGCTGCTC
CTGGAACTGTGCATTGCCAGATTGTTTCCACAAGAACACCCAAACCTCCTCTAAGTACAGGGGTA
GAAGAAGGAAATTAAGAAAAGCAGCCCATTGGAAGTACATAGGGAAGGAGATGGTTCTAGTACCACAGA
TAACACACAAGAGGGAGCAGTTCAGAACCACGGTACAAGCACCTCTCACAGCGTTGGCACTGTCTCAGA
GATCTCTGGCATGCTGCTTTCTTTTATCAGGATCAAAGAAAGCAAAGAATTCAATTGATAAATCAACTG
AAACTGACAATGGCTATGTATCCCTTGATGGGAAGAAGACTGTTAAAAGCGGTGAAGATGGAATACAAA
CCATGAACCTCAGTGTGAACTATTCGACCAGAAGAGACAGCCTGGAACACAGGAACACTGAGGAATGGT
CCTAGCAAAGATACCCAAAGGACAATAACAAATGTCTCTGATGAAGTCTCCAGTGAGGAAGTCCCTGAAA
CAGGATACTCATTACGTGTCATGTGGACAGGACTTCTGAAGGTGTTCTTCGGAATAGAAAGTACACCA
TTATAAGAAACATTACCCTAATGAGGTATATACTTTGCTTAAGTGTATACATACGTATCTATTTTATA
TGTTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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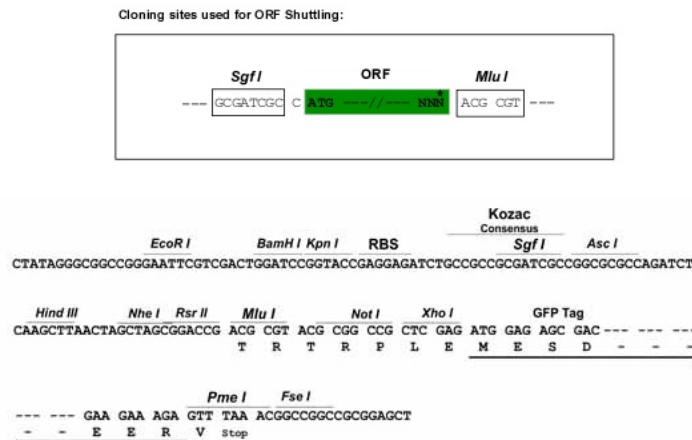
Protein Sequence: >RG225526 representing NM_001127360
Red=Cloning site Green=Tags(s)

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MASKVTD AIVWYQKKIGAYDQQIWEKSVEQREIKGLRNKPKKTAHVKPDLDVLDLVRGSAFAKAKPESPW
TSLTRKGI VRVVFPPFFFRWWLQVTSKVIFFWLLVLYLLQVAI VFCSTSSPHSIPLTEVIGPIWMLL
LGTVHCQIVSTRTPKPLSTGGKRRRRLRKA AHLEVHREGDGSSTTDNTQEGAVQNHGTSTSHSVGTVFR
DLWHA AFFLSGSKKAKNSIDKSTETDNGYVSLDGKKT VKSGEDGIQNHQPQCETIRPEETA WNTGTLRNG
PSKDTQRTITNVSDEVSSEEGPETGYS LRRHVDRTSEGVLRRNRKSHHYK KHYPNEYT LSLSVYIRIYFI
CY
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001127360

ORF Size: 1056 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_001127360.1](#), [NP_001120832.1](#)

RefSeq Size: 2625 bp

RefSeq ORF: 1059 bp

Locus ID: 57157

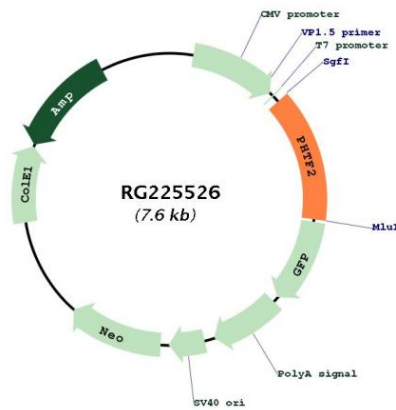
UniProt ID: [Q8N3S3](#)

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 RG225526