

Product datasheet for **RC225526**

PHTF2 (NM_001127360) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHTF2 (NM_001127360) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHTF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225526 representing NM_001127360 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCCAAAGTCACAGATGCTATAGTCTGGTATCAAAGAAGATTGGAGCATATGATCAACAAATAT
GGGAAAAATCTGTTGAACAGAGAGAAATCAAGGGGCTAAGGAATAAACCAAGAAACAGCACATGTGAA
ACCAGACCTCATAGATGTTGATCTTGTAAAGAGGGTCTGCATTTGCAAAGGCAAAGCCTGAAAGTCCTTGG
ACTTCTCTGACCAGAAAGGGAATTGTTTCGAGTTGATTTTTCCCTTTTTCTTCCGGTGGTGGTTACAAG
TAACATCAAAGGTCATCTTTTTCTGGCTTCTTGCCTTTATCTTCTTCAAGTTGCTCAATAGTATTATT
CTGCTCCACTTCTAGCCACACAGCATACCTCTGACAGAGGTGATTGGGCCGATATGGCTGATGCTGCTC
CTGGAACTGTGCATTGCCAGATTGTTTCCACAAGAACACCCAAACCTCCTCTAAGTACAGGGGTA
GAAGAAGGAAATTAAGAAAAGCAGCCCATTGGAAGTACATAGGGAAGGAGATGGTTCTAGTACCACAGA
TAACACACAAGAGGGAGCAGTTCAGAACCAGGTACAAGCACCTCTCACAGCGTTGGCACTGTCTTCAGA
GATCTCTGGCATGCTGCTTTCTTTTTATCAGGATCAAAGAAAGCAAAGAATTCAATTGATAAATCAACTG
AAACTGACAATGGCTATGTATCCCTTGATGGGAAGAAGACTGTTAAAAGCGGTGAAGATGGAATACAAA
CCATGAACCTCAGTGTGAACTATTCGACCAGAAGAGACAGCCTGGAACACAGGAACACTGAGGAATGGT
CCTAGCAAAGATACCCAAAGGACAATAACAAATGTCTCTGATGAAGTCTCCAGTGAGGAAGTCCCTGAAA
CAGGATACTCATTACGTGTCATGTGGACAGGACTTCTGAAGGTGTTCTTCGGAATAGAAAGTCACACCA
TTATAAGAAACATTACCCTAATGAGGTATATACTTTGCTTAAGTGTATACATACGTATCTATTTTATA
TGTTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >RC225526 representing NM_001127360
Red=Cloning site Green=Tags(s)

```
MASKVTD AIVWYQKKIGAYDQQIWEKSVEQREIKGLRNKPKKTAHVKPDLDVDLVRGSAFAKAKPESPW
TSLTRKGI VRVVFPPFFFRWWLQVTSKVIFFWLLVLYLLQVAAILVFCSTSSPHSIPLTEVIGPIWMLL
LGTVHCQIVSTRTPKPLSTGGKRRRKLKAAHLEVHREGDGSSTTDNTQEGAVQNHGTSTSHSVGTVFR
DLWHA AFFL SGSKKAKNSIDKSTETDNGYVSLDGKKT VKSGEDGIQNHQPQCETIRPEETA WNTGTLRNG
PSKDTQRTITNV SDEVSSEEGPETGYS LRRHVDRTSEGVL RNRKSHHYK KHYPN EYTL SLSVYIRIYFI
CY
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8054_d03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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 ORF: 1059 bp

Locus ID: 57157

UniProt ID: [Q8N3S3](#)

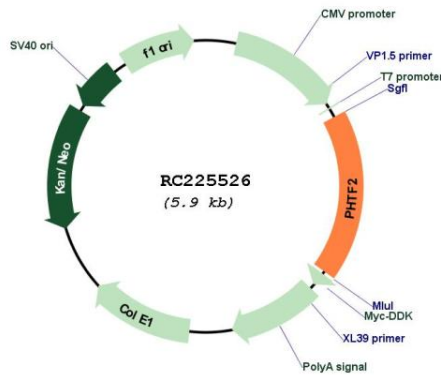
Cytogenetics: 7q11.23-q21.11

Protein Families: Transcription Factors, Transmembrane

MW: 39.7 kDa

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

Product images:



Circular map for RC225526