

## Product datasheet for **RC226134**

### **PHTF2 (NM\_001127357) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PHTF2 (NM_001127357) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHTF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC226134 representing NM\_001127357  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTCCAAGTCACAGATGCTATAGTCTGGTATCAAAGAAGATTGGAGCATATGATCAACAAATAT  
 GGGAAAAATCTGTTGAACAGAGAGAAATCAAGTTTATTAACCTGGGGCTAAGGAATAAACCAAAGAAAAAC  
 AGCACATGTGAAACCAGACCTCATAGATGTTGATCTTGTAAAGAGGTCTGCATTTGCAAAGGCAAAGCCT  
 GAAAGTCTTGGACTTCTCTGACCAGAAAGGGAATTGTTTCGAGTTGTATTTTCCCTTTTTCTCCGGT  
 GGTGGTTACAAGTAACATCAAAGGTCATCTTTTTCTGGCTTCTTGTCTTTATCTTCTCAAGTTGCTGC  
 AATAGTATTATTCTGCTCACTTCTAGCCACACAGCATACTCTGACAGAGGTGATTGGCCGATATGG  
 CTGATGCTGCTCCTGGAACTGTGCATTGCCAGATTGTTCCACAAGAACACCCAAACCTCTCTAAGTA  
 CAGGGGGTAAAAGAAGAAGGAAATTAAGAAAAGCAGCCATTTGGAAGTACATAGGAAGGAGATGGTTC  
 TAGTACCACAGATAACACACAAGAGGGAGCAGTTCAGAACCACGGTACAAGCACCTCTCACAGCGTTGGC  
 ACTGTCTTCAGAGATCTCTGGCATGCTGCTTTCTTTTATCAGGATCAAAGAAAGCAAAGAATTCATTG  
 ATAAATCAACTGAACTGACAATGGCTATGTATCCCTTGATGGGAAGAAGACTGTAAAAGCGGTGAAGA  
 TGGAAACAAAACCATGAACCTCAGTGTGAAACTATTCGACCAGAAGAGACAGCCTGGAACACAGGAAAC  
 CTGAGGAATGGTCTAGCAAAGTACCCAAAGGACAATAACAAATGTCTCTGATGAAGTCTCCAGTGAGG  
 AAGTCTGAAACAGGATACTCATTACGTCGTCATGTGGACAGGACTTCTGAAGTGTCTTTCGGAATAG  
 AAAGTACACCATTATAAGAAACATTACCTAATGAGGACGCCCTAAATCGGGTACTAGTTGCAGCTCT  
 CGCTGTTCAAGTCCAGACAGGATTCTGAGAGTGCAAGGCCAGAATCTGAAACAGAAGATGTGTTATGGG  
 AAGACTTGTACATTGTGCAGAATGCCATTCATCTTGTACCAGTGAGACAGATGTGGAAATCATCAGAT  
 TAATCCATGTGTGAAAAAAGAATATAGAGATGACCCTTTTCATCAGAGTCAATTTGCCCTGGCTCCATAGT  
 TCCCACCCAGGATTAGAAAAAATAAGTGCTATAGTATGGGAAGGTAAATGATTGTAAGAAAGCAGACATGT  
 CTGTAATGAAATCAGTGAATGATAATGAACAGAGTGAACAGCCATATAACCAGGAATAGGATACCAGAT  
 TTTTGAAATGCAGTCTCTCTCACTACTGGGTTAACTCCATTTGTTTTCCGACTTCTCAAGCTACAGAC  
 TTGGAACAACCTCACAGCACATTCTGCTCAGAACTTTATGTGATTGCATTTGGTTCTAATGAAGATGTCA  
 TAGTCTTTCTATGGTTATAATAAGTTTTGTGGTTCGCGTGTCTTGTGTGGATTTTCTTTTTTTGCT  
 CTGTGTAGCAGAAAGAACTTATAACAGCGATTACTTTTTGCAAACTCTTTGGACATTTAACATCTGCA  
 AGGAGGGCTCGAAAATCTGAGGTTCTCATTTCGGTTGAAGAAAGTACAGAATATAAAATGTGGCTAT  
 CTCTCCGTTCTATCTTAAGCGTCGAGGTCCTCAGCGATCAGTTGATGTAATAGTTTCATCTGCTTCTT  
 ATTGACTATCTCAGTTGATTTATCTGTTGTGCCAGCTACTTCATGTACACGAGATCTTCTTGATTGT  
 CACTACAATTGGGAATTGGTAATCTGGTGCATCTCGTTAACACTTTTTCTCCTAAGATTTGTTACCTTG  
 GATCAGAAAACAGTAAAAAATATAGTAATACCTCAATTACTTACTGAACAGATAAACCTCTACTTGAA  
 AATGGAGAAAAACCTAACAAAAAGGAGGAACTGACACTAGTGAATAATGTTTTAAACTGGCTACTAAA  
 CTGCTAAAGGAGTTGGACAGTCTTTTAGATTATATGGGCTTACAATGAATCCGCTGCTTATAACATCA  
 CCCAGTTGTTATCCTGTCAGCTGTTTCTGGTGTATCAGTGACTTGCTGGATTTAATTTAAAGCTATG  
 GAAGATTAAGTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC226134 representing NM\_001127357  
Red=Cloning site Green=Tags(s)

MASKVTD AIVVYQKKIGAYDQQIWEKSVEQREIKFIKLGRLNPKPKTAHVKPDLDVDLVRGSFAKAKP  
 ESPWTS LTRKGI VRVVF PFFFRWWLQVTSKVIFFWLLVLYLLQVAIVLFCSTSSPHSIPLTEVIGPIW  
 LMLLLGT VHCQIVSTRTPKPLSTGGKRRRKLKAAHLEVHREGDGSSTDTNTQEGAVQNHGTSTSHSVG  
 TVFRDLWHA AFFLSGSKKAKNSIDKSTETDNGYVSLDGKKTVKSGEDGIQNHQPQCETIRPEETAWNTGT  
 LRNGPSKDTQRTITNVSDEVSSEEGPETGYSLRRHVDRTSEGVLRRNRKSHHYKHHYPNEDAPKSGTSCSS  
 RCSSSRQDSESARPESETEDVLWEDLLHCAECHSSCTSETDVENHQINPCVKKEYRDDPFHQSHLPWLHS  
 SHPGLEKISAIWEGNDCKADMSVLEISGMIMNRVNSHIPGIGYQIFGNAVSLILGLTPFVFRLSQATD  
 LEQLTAHSASELYVIAFGSNEDVIVLSMVIISFVVRVSLVWIFFLLCVAERTYKQRLFAKLFGLHTSA  
 RRARKSEVPHFRLKVKVQNIKMWLSLSYLKRRGPQRSVDVIVSSAFLLTISVVFICCAQLLHVHEIFLDC  
 HYNWELVIWCISLTLFLLRFVTLGSETSKKYSNTSILLTEQINLYLKMEEKPNKKEELTVNNVLKATK  
 LLKELDSPFRLYGLTMNPLLNYITQVVILSAVSGVISDLLGFNLKWKIKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001127357

**ORF Size:** 2253 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\\_001127357.2](#)

**RefSeq ORF:** 2256 bp

**Locus ID:** 57157

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

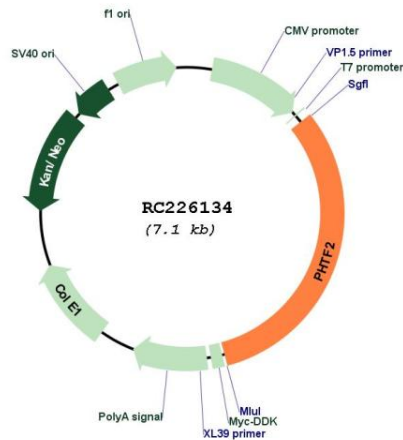
**Cytogenetics:** 7q11.23-q21.11

**Protein Families:** Transcription Factors, Transmembrane

**MW:** 84.9 kDa

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

**Product images:**



Circular map for RC226134