

Product datasheet for **RC226133**

PHTF2 (NM_001127358) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHTF2 (NM_001127358) 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:

>RC226133 representing NM_001127358
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCCAAGTCACAGATGCTATAGTCTGGTATCAAAGAAGATTGGAGCATATGATCAACAAATAT
 GGGAAAAATCTGTTGAACAGAGAGAAATCAAGGGGCTAAGGAATAAACCAAAGAAAAACAGCACATGTGAA
 ACCAGACCTCATAGATGTTGATCTTGTAAAGAGGTCTGCATTTGCAAAGGCAAAGCCTGAAAAGTCTTGG
 ACTTCTCTGACCAGAAAGGAATTGTTTCGAGTTGATTTTTTCCCTTTTTCTTCCGGTGGTGGTTACAAG
 TAACATCAAAGGTCATCTTTTTCTGGCTTCTTGTCTTTATCTTCTCAAGTTGTGCAATAGTATTATT
 CTGCTCCACTTCTAGCCACACAGCATACCTCTGACAGAGGTGATTGGGCCGATATGGCTGATGCTGCTC
 CTGGAACTGTGCATTGCCAGATTGTTCCACAAGAACACCCAAACCTCCTCTAAGTACAGGGGGTAAAA
 GAAGAAGGAAATTAAGAAAAGCAGCCATTTGGAAGTACATAGGGAAGGAGATGGTTCTAGTACCACAGA
 TAACACACAAGAGGGAGCAGTTCAGAACCAGGTACAAGCACCTCTCACAGCGTTGGCAGTGTCTTCTAGA
 GATCTCTGGCATGCTGCTTTCTTTTATCAGGATCAAAGAAAGCAAAGAATTCATTGATAAATCAACTG
 AAAGTACAATGGCTATGTATCCCTTGATGGGAAGAAGACTGTTAAAAGCGGTGAAGATGGAATACAAAA
 CCATGAACCTCAGTGTGAACTATTCGACCAGAAGAGACAGCCTGGAACACAGGAACACTGAGGAATGGT
 CCTAGCAAAGTACCCAAAGGACAATAACAAATGTCTCTGATGAAGTCTCCAGTGAAGGAGTCTGAAA
 CAGGATACTCATTACGTCGTATGTGGACAGGACTTCTGAAGGTGTTCTTCGGAATAGAAAGTACACCA
 TTATAAGAAACATTACCTAATGAGGACGCCCTAAATCGGGTACTAGTGCAGCTCTCGCTGTTCAAGT
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 TTAGAAAAATAAGTGCTATAGTATGGGAAGGTAAATGATTGTAAGAAAGCAGACATGTCTGTACTTGAAA
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 TGGTTATAATAAGTTTTGTTGCGTGTCTCTTGTGTGGATTTCTTTTTTTGCTCTGTGTAGCAGA
 AAGAACTTATAAACAGCGATTACTTTTTGCAAACTCTTTGGACATTTAACATCTGCAAGGAGGGCTCGA
 AAATCTGAGGTTCTCATTTCGGTTGAAGAAAGTACAGAATATAAAAATGTGGCTATCTCTCCGTTCTC
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 ACCTAACAAAAAGGAGGAACTGACACTAGTGAATAATGTTTTAAACTGGCTACTAACTGCTAAAGGAG
 TTGGACAGTCTTTTAGATTATATGGGCTTACAATGAATCCGCTGCTTTAACAATCACCCAGGTTGTTA
 TCCTGTCACTGTTTCTGGTGTATCAGTGAATGCTTGGATTAATTTAAAGCTATGGAAGATTAAGTC
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226133 representing NM_001127358
 Red=Cloning site Green=Tags(s)

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MASKVTD AIVVYQKKIGAYDQQIWEKSVEQREIKGLRNKPKKTAHVKPDLDVDLVRGSAFAKAKPESPW
TSLTRKGI VRVFFPFFFRWLLQVTSKVIFFWLLVLYLLQVAI VFCSTSSPHSIPLTEVIGPIWMLL
LGTVHCQIVSTRTPKPLSTGGKRRRRLRKA AHLEVHREGDGSSTTDNTQEGAVQNHGTSTSHSVGTVFR
DLWHA AFFLSGSKKAKNSIDKSTETDNGYVSLDGKKT VKSGEDGIQNHQPQCETIRPEETA WNTGTLRNG
PSKDTQR TITNVSDEVSSEEGPETGYSLRRHVDRTSEGVL RNRKSHHYK KHYPNEDAPKSGTSCSSRCSS
SRQDSE SARPESETEDVLWEDLLHCAECHSSCTSETDVENHQ INPCVKKEYRDDPFHQSHLPWLHSSHPG
LEKISAI VWEGNDCKKADMSVLEISGMIMNRVNSHIPGIGYQIFGNAVSLILGLTPFV FRLSQATDLEQL
TAHSASELYVIAFGSNEDVIVLSMVIISFVVRVSLVWIFFLLCVAERTYQRL LF AKLFGHLTSARRAR
KSEVPHFRLKKVQNIKMWLSRLSYLKRGRQPORSVDVIVSSAFLLTISVVFICCAQLLHVHEIFLDCHYNW
ELVIWCISLTLFLLRFVTLGSETSKKYSNTSILLTEQINLYL KMEKKPNKKEELTLVNNVLK LATKLLKE
LDSPFRLYGLTMNPLL YNITQVIVLSAVSGVISDLLGFNLK LKWKIKS
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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 ORF: 2244 bp

Locus ID: 57157

UniProt ID: [Q8N3S3](#)

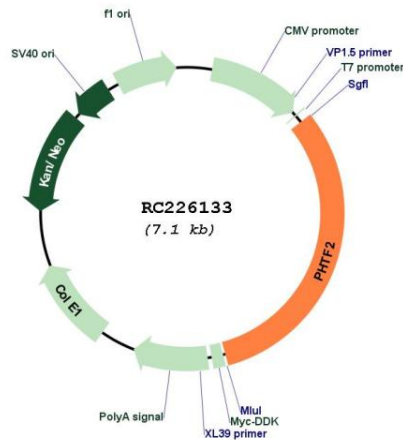
Cytogenetics: 7q11.23-q21.11

Protein Families: Transcription Factors, Transmembrane

MW: 84.4 kDa

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

Product images:



Circular map for RC226133