

Product datasheet for **RC225529**

PHTF2 (NM_001127359) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHTF2 (NM_001127359) 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:	>RC225529 representing NM_001127359 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCCAAAGTCACAGATGCTATAGTCTGGTATCAAAGAAGATTGGAGCATATGATCAACAAATAT
GGGAAAAATCTGTTGAACAGAGAGAAATCAAGTTTATTAACCTGGGGCTAAGGAATAAACCAAAGAAAAC
AGCACATGTGAAACCAGACCTCATAGATGTTGATCTTGTAAAGAGGGTCTGCATTTGCAAAGGCAAAGCCT
GAAAGTCCTTGGACTTCTCTGACCAGAAAGGGAATTGTTTCGAGTTGTATTTTCCCCTTTTCTTCCGGT
GGTGGTTACAAGTAACATCAAAGGTCATCTTTTCTGGCTTCTTGTCTTTATCTTCTTCAAGTTGCTGC
AATAGTATTATTCTGCTCCACTTCTAGCCACACAGCATACCTCTGACAGAGGTGATTGGGCCGATATGG
CTGATGCTGCTCCTGGAACTGTGCATTGCCAGATTGTTTCCACAAGAACACCCAAACCTCCTCTAAGTA
CAGGGGGTAAAAGAAGAAGGAAATTAAGAAAAGCAGCCCATTTGGAAGTACATAGGGAAGGAGATGGTTC
TAGTACCACAGATAACACACAAGAGGGAGCAGTTCAGAACCACGGTACAAGCACCTCTCACAGCGTTGGC
ACTGTCTTCAGAGATCTCTGGCATGCTGCTTTCTTTTATCAGGATCAAAGAAAGCAAAGAATTC AATTG
ATAAATCAACTGAACTGACAAATGGCTATGTATCCCTTGATGGGAAGAAGACTGTTAAAAGCGGTGAAGA
TGAATACAAAACCATGAACCTCAGTGTGAACTATTCGACCAGAAGAGACAGCCTGGAACACAGGAACA
CTGAGGAATGGTCTAGCAAAGATACCCAAAGGACAATAACAAATGTCTCTGATGAAGTCTCCAGTGAGG
AAGGTCCTGAAACAGGATACTCATTACGTCGTCATGTGGACAGGACTTCTGAAGGTGTTCTCGGAATAG
AAAGTCACACCATTATAAGAAACATTACCTAATGAGGTATATACTTTGTCTTAAGTGTATACATACGT
ATCTATTTTATATGTTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225529 representing NM_001127359
Red=Cloning site Green=Tags(s)

MASKVTD AIVWYQKKIGAYDQQIWEKSVEQREIKFIKGLRNKPKKTAHVKPDLDVLDVRGSAFAKAKP
 ESPWTS LTRKGI VRVVF PFFFRW LQVTSKVIFFWLLVLYLLQVAIVLFCSTSSPHSIPLTEVIGPIW
 LMLLLGT VHCQIVSTRTPK PPLSTGGKRRRKL RKAALVHREGDGSSTDTNTQEGAVQNHGTS SHSVG
 TVFRDL WHAAFFLSGSKKAKNSIDKSTETDNGYVSLDGKKT VKS GEDGIQNHQPQCETIRPEETA WNTGT
 LRNGPSKDTQRTITNVSDEVSS EEPETGYSLRRHVDRTSEGVLNRKSHHYKHHYPNEVYTL SLSVYIR
 IYFICY

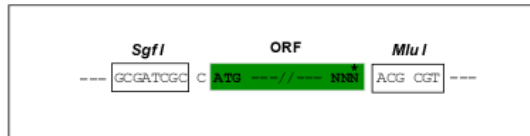
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8054_b05.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_001127359

ORF Size: 1068 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_001127359.1](#), [NP_001120831.1](#)

RefSeq ORF: 1071 bp

Locus ID: 57157

UniProt ID: [Q8N3S3](#)

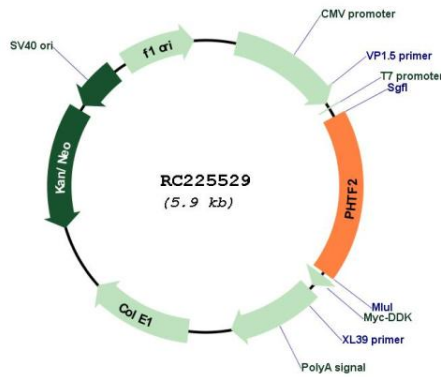
Cytogenetics: 7q11.23-q21.11

Protein Families: Transcription Factors, Transmembrane

MW: 40.2 kDa

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

Product images:



Circular map for RC225529