

Product datasheet for **MR210245**

Phtf1 (NM_001163469) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phtf1 (NM_001163469) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phtf1
Synonyms:	AU041898; AW049785; Phft; Phftf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210245 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

 ATGGCCTCAAATGAGAGAGATGCTATATCATGGTATCAGAAGAAGATTGGAGCATATGATCAGCAGATAT
GGGAAAAGTCAATCGAACAGACTCAGATTAAGGGTTTCAAAAACAAACCAAAAAAATGGGCCATATAAA
ACCAGACTTGATTGATGTTGACTTAATCAGAGGCTCAACATTTGCCAAAGCCAAGCCTGAGATTCATGG
ACCTCGCTCACTCGAAGGGGCTTGTTGAGTGGTGTTCCTGTTGTTGAGCAGCTGGTGGATTCAGG
TTACCTCTCTCAGAATCTTTGTTGGTTGCTGCTACTTTACCTCATGCAAGTCACAGCGTTGTGTTGTA
TCTCTGATGCCTATTGTGAGCGCCAGTGAAGTGTGGACCCTTGTCCTTATGCTACTCATGGAACT
GTCCACTGTCAGATTGTGTCGACTCAGATAACAAGGCCGTCAGGAAACAATGGAAATCGGAGAAGAAGGA
TAAAAAGGGTGAATTAGTATCTAACAAGGTACTGAACTGACAATGACTCAGGCTGTTCCATCCTAT
CCTTAAGAAGAGACAGGGTCGACCCGAGATCAGAAATGTGCAAGCAAGAGAGAAAGCGAAGGTTTCGGAT
GGAGAAAAGTGCCGTAGGGAGGCTTATAGGCGTTTGGGTAAATGGAATTCAGACGATCTGTCAAGTGAGG
AGGATGGTGAAGCACGGACACAGATGATATTATGCGTAGGAGTGTGGAAGGGGCGTCAAGTGACAATGG
TTATGAAGTTAAGAATAGAAGGTCAATACTTTCAAGGCACCTAAATTCAGGTAAGAAACCACAAGG
TGGTGTCAATATTGTTGCGGATTCAGATAGTCTGGCTGAATCAGAGTTTGAATCAGCAGTCTTCAGCCAGG
GTTCTAGATCTGGTATGAGTGGTGGCTCTCGGAGCCTTAACCTGTCAAGAAGAGACTCAGAAAGCACCCG
ACATGACTCCGAGACTGAGGATATGTTATGGGATGACCTTCTCCATGGTCCAGAGTGCCGGTCATCTGTC
ACCAGTGACAGTGAGGGGCTCATGTAATAACATTCATTGAGGACCAACGTGACCCCAAGAAGATG
TTTTTCAGCAGAACCATTATTCTGGCTTCAGAATCAAGTCTGCCTCTGAGCGAGTTAGTGCGATAAT
CTGGGAAGGAAACGAGTGCAAAAAGATGGACATGTCTGTGTTGGAGATAAGCGGCATCATCATGAGCAGG
GTCAATGCATACGAGCAAGGTGTTGGCTATCAGATGCTGGGAATGCAGTCACCGTTGGCTTAGCACTTT
TCCCATTTTTATATCGACTTTTCCGAGAGAAGAGCTTTGACCACTAAAGTCCATCTCAGCAGAGGAGGT
TCTGACCTCTTCTGTGGTGCGCCACCCGTCACACCTGTTGTTATTTGTCTATAATTAATTTATTGAA
AGATTGTGCTTACGTGGATGTTTTTTTCATGATGTGTGTGGCAGAGAGAACATATAAGCAGAGATTTT
TATTTGCAAACTCTTCAGCCATATTACTTCTGCCAGGAAGGCCAGGAAATATGAAATACCTCATTTTCAG
ACTTAAAAAGGTGGAGAACATTAATAATGTTATCCCTGCGCTCCTATCTAAGAGGCGGGGTCCACAG
CGCTCAGTGGACGTGGTTGTGTCTCCGCTTCTTACTGACACTTCAATTGCTTTTCATTTGTTGTGCAC
AGGTTCTTCAAGGTCACAAGACATTCTGAATGATGCTTACAACCTGGGAGTTCTTGATCTGGGAAACAGC
ATTGCTGCTGTTTTGCTTCGCCTGGCCTCACTGGGGTCAGAAACCAACAAGAAGTACAGCAATGTTTCC
ATCCTGCTCACTGAACAGATTAATTTATATCTTAAAAATGGAAAAAAGCCAAATAAGAAAGAACAGCTCA
CGCTAGTGAATAATGTATTGAAGCTGTCCACAAAGCTGTTAAAGGAGCTGGACACACCATTTAGACTCTA
TGGACTGACCATGAACCCCTTAATCTACAACATCACAAGAGTAGTCATCCTTTCTGCTGTCTCTGGAGTT
ATAAGCGACCTTCTAGGATTCACATAAGACTGTGAAAAATTAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210245 protein sequence
 Red=Cloning site Green=Tags(s)

MASNERDAISWYQKKIGAYDQQIWEKSIEQTQIKGFKNKPKMKMGHIKPDIDVDLIRGSTFAKAKPEIPW
 TSLTRKGLVRVFFPLFSSWWIQVTSRIFVWLLLLYLMQVTAVLYLLMPIVSASEVLGPLCLMLLMGT
 VHCQIVSTQITRPSGNGNRRRIKRVKLVSNKGTETDNDSGCFHPILKKRQGRPEIRMWQAREKAKVSD
 GEKCRREAYRRLNGISDDLSEEDGEARTQMILLRRSVEGASSDNGYEVKNRRSILSRHLNSQVKKTTT
 WCHIVRDSDSLAESEFESAVFSQGSRSMSGSSRLNLSRRDSESTRHDETEDMLWDDLLHGPECRSSV
 TSDSEGAHVNTIHSGTKRDPKEDVFQQNHFLWLQNSSPASERSVAIIWEGNECKKMDMSVLEISGIIMSR
 VNAYEQGVGYQMLGNAVTVGLALFPFLYRLFREKSFQDKLSISAEVLTFCGAPPVTPVVISIINFIE
 RLCLTWMFFMCAERTYKQRFLEAKLFSHITSARKARKYEPHFRLKKVENIKIWLRLSYLKRGPQ
 RSVDDVVSSVFLTLIAFICCAQVLQGHKTFNDAYNWEFLIWETALLFLRLASLGSETNKKYSNV
 ILLTEQINLYLMEKKPNKKEQLTVNNVLKLSTKLLKELDTPFRLYGLTMNPLIYNITRVVILSAVSGV
 ISDLLGFNIRLWKIKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001163469

ORF Size: 2148 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001163469.1, NP_001156941.1

RefSeq Size: 3207 bp

RefSeq ORF: 2151 bp

Locus ID: 18685

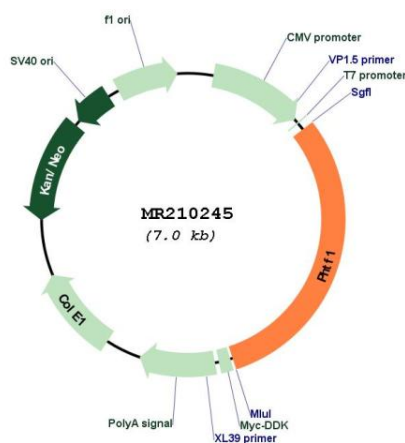
UniProt ID: Q9QZ09

Cytogenetics: 3 F2.2

MW: 82 kDa

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

Product images:



Circular map for MR210245