

Product datasheet for **MG210245**

Phtf1 (BC050825) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phtf1 (BC050825) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Phtf1
Synonyms:	Phtf, Phft
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG210245 representing BC050825
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCAAATGAGAGAGATGCTATATCATGGTATCAGAAGAAGATTGGAGCATATGATCAGCAGATAT
 GGGAAAAGTCAATCGAACAGACTCAGATTAAGGGTTTCAAAAACAAACCAAAAAAATGGGCCATATAAA
 ACCAGACTTGATTGATGTTGACTTAATCAGAGGCTCAACATTTGCCAAAGCCAAGCCTGAGATTCCATGG
 ACCTCGCTCACTCGAAGGGGCTTGTTGAGTGGTGTTCCTGTTGTTGAGCAGCTGGTGGATTGAGG
 TTACCTCTCTCAGAATCTTTGTTGGTTGCTGCTACTTTACCTCATGCAAGTCACAGCGGTTGTGTGTA
 TCTCTGATGCCTATTGTGAGCGCCAGTGAAGTGTGGACCCTTGTGCCTTATGCTACTCATGGAACT
 GTCCACTGTCAGATTGTGTCGACTCAGATAACAAGGCCGTCAGGAAACAATGGAAATCGGAGAAGAAGGA
 TTTAAAGGGTGAAATTAGTATCTAACAAAGGTACTGAACTGACAATGACTCAGGCTGTTTCCATCCTAT
 CCTTAAGAAGAGACAGGGTCGACCCGAGATCAGAAATGTGCAAGCAAGAGAGAAAGCAAAAGTTTCGGAT
 GGAGAAAAGTGCCGTAGGGAGGCTTATAGGCGTTTGGGTAAATGGAATTCAGACGATCTGTCAAGTGAGG
 AGGATGGTGAAGCACGGACACAGATGATATTATGCGTAGGAGTGTGGAAGGGGCGTCAAGTGACAATGG
 TTATGAAGTTAAGAATAGAAGGTCAATACTTTCAAGGCACCTAAATTCAGGTAAGAAACCACAAGG
 TGGTGTCAATATTGTTGCGGATTCAGATAGTCTGGCTGAATCAGAGTTTGAATCAGCAGTCTTCAGCCAGG
 GTTCTAGATCTGGTATGAGTGGTGGCTCTCGGAGCCTTAACCTGTCAAGAAGAGACTCAGAAAGCACCCG
 ACATGACTCCGAGACTGAGGATATGTTATGGGATGACCTTCTCCATGGTCCAGAGTGCCGGTCATCTGTC
 ACCAGTGACAGTGAGGGGGCTCATGTAATACCATTCTTCAGGGACCAACGTGACCCCAAGAAGATG
 TTTTTCAGCAGAACCATTATTCTGGCTTCAGAATCAAGTCTGCCTCTGAGCGAGTTAGTGCGATAAT
 CTGGGAAGGAAACGAGTGCAAAAAGATGGACATGTCTGTGTTGGAGATAAGCGGCATCATCATGAGCAGG
 GTCAATGCATACGAGCAAGGTGTTGGCTATCAGATGCTGGGAATGCAGTCACCGTTGGCTTAGCACTTT
 TCCCATTTTTATATCGACTTTTCCGAGAGAAGAGCTTTGACCACTAAAGTCCATCTCAGCAGAGGAGGT
 TCTGACCTCTTCTGTGGTGCGCCACCCGTCACACCTGTTGTTATTTGTCTATAATTAATTTATTGAA
 AGATTGTGCTTACGTGGATGTTTTTTTCATGATGTGTGTGGCAGAGAGAACATATAAGCAGAGATTTT
 TATTTGCAAACTCTTCAGCCATATTACTTCTGCCAGGAAGGCCAGGAAATATGAAATACCTCATTTGAG
 ACTTAAAAAGGTGGAGAACATTAATAATGTTATCCCTGCGCTCCTATCTAAAGAGGCGGGGTCCACAG
 CGCTCAGTGGACGTGGTTGTGTCTCCGCTTCTTACTGACACTTCAATTGCTTTCATTTGTTGTGCAC
 AGGTTCTTCAAGGTCACAAGACATTCTGAATGATGCTTACAACCTGGGAGTTCTTGATCTGGGAAACAGC
 ATTGCTGTGTTTTGCTTCGCCTGGCCTCACTGGGGTCAGAAACCAACAAGAAGTACAGCAATGTTTCC
 ATCCTGCTCACTGAACAGATTAATTTATATCTTAAATGGAAAAAAGCCAAATAAGAAAGAACAGCTCA
 CGCTAGTGAATAATGTATTGAAGCTGTCCACAAAGCTGTTAAAGGAGCTGGACACACCATTTAGACTCTA
 TGGACTGACCATGAACCCCTTAATCTACAACATCACAAGAGTAGTCATCCTTTCTGCTGTCTCTGGAGTT
 ATAAGCGACCTTCTAGGATTCAACATAAGACTGTGAAAAATTAAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

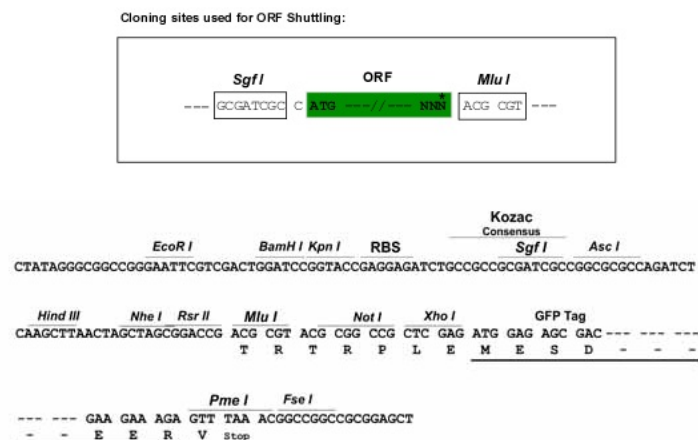
Protein Sequence: >MG210245 representing BC050825
 Red=Cloning site Green=Tags(s)

MASNERDAISWYQKKIGAYDQQIWEKSIEQTQIKGFKNPKMKMGHIKPDIDVDLIRGSTFAKAKPEIPW
 TSLTRKGLVRVFFPLFSSWWIQVTSRIFVWLLLLYLMQVTAVALYLLMPIVSASEVLGPLCLMLLMGT
 VHCQIVSTQITRPSGNGNRRRIKRVKLVSNKGTETDNDSGCFHPILKKRQGRPEIRMWQAREKAKVSD
 GEKCRREAYRRLNGISDDLSEEDGEARTQMILLRRSVEGASSDNGYEVKNRRSILSRHLNSQVKKTTTR
 WCHIVRSDSLAESEFESAVFSQGSRSMSGSSRLNLRRDSESTRHDETEDMLWDDLHGPCRSSH
 TSDSEGAHVNTIHSQTKRDPKEDVFQQNHLFWLQNSSPASERSVAIIWEGNECKMDMSVLEISGIIMSR
 VNAYEQGVGYQMLGNAVTVGLALFPFLYRLFREKSFQDKLSISAEVLTFCGAPPVTPVVILSIINFIE
 RLCLTWMFFMCAERTYKQRFLLAKLFSHITSARKARKYIPHFRLKKVENIKIWLRLSYLKRGRGPQ
 RSVDDVVSSVFLTLIAFICCAQVLQGHKTFNDAYNWEFLIWETALLFLRLASLGSETNKKYSNV
 ILLTEQINLYLMEKKPNKKEQLTVNNVLKLSTKLLKELDTPFRLYGLTMNPLIYNITRVVILSAVSGV
 ISDLLGFNIRLWKIKS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC050825

ORF Size: 2150 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: [BC050825](#), [AAH50825](#)

RefSeq Size: 3025 bp

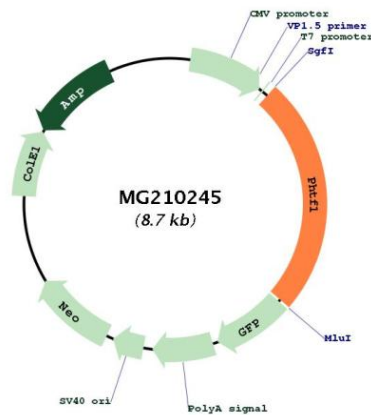
RefSeq ORF: 2150 bp

Locus ID: 18685

Cytogenetics: 3 F2.2

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

Product images:



Circular map for MG210245