

Product datasheet for **RN217184**

Phtf1 (NM_001191102) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phtf1 (NM_001191102) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Phtf1
Synonyms:	Phtf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217184 representing NM_001191102

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCAAATGAGAGAGATGCTATATCATGGTATCAGAAGAAGATTGGAGCATATGATCAGCAGATAT
GGGAAAAGTCAATCGAACAGACTCAGATTAAGGGTTTCAAAAACAAACCAAAAAAATGGGCCATATAAA
ACCAGACTTGATTGATGTTGACTTAATCAGAGGCTCAACATTTGCCAAAGCCAAGCCTGAGATTCCATGG
ACGTCGCTCACTCGAAGGGCCTTGTTGAGTGGTGTTCCTTATTCAGCAGTTGGTGGATTCAGG
TTACCTCTCTCAGAATCTTTGTTGGTGTGCTACTGTACCTCATGCAAGTTACAGCGATCGTTTTATA
TCTCATGATGCCTATTGTGAGCGTGAGTGAAGTGTGGACCATTGTGCCTTATGCTACTCATGGAACT
GTCCACTGTCAGATCGTGTCAACTCAGATAACAAGGCCCTCAGGAAACAATGGAAATCGGAGAAGAAGAA
AATTACGAAAACTGTAATGGTATGGGACCCGAGATAATGGAATAACTCCCCTGATAAAATCAGAGC
AGTAGAACTCTGGACTCTGCACCCAGTGTGGTGGTTTTGGGGACTCTCTTGGCAACAGGATTA
AGGGTGAAATTAGTATCTAACAAGGGACTGAACTGACAATGACTCAGGCTGTTCCATCCTATCATT
AGAAGAGACAGGGTCGACCAGAGATCAGAATGTGGCAAGCAAGAGAGAAAAGCGAAGGTTTCGGATGGAGA
AAAGTGCCGTAGGGAGGCTTATAGGCGTTTGGTAATGGCGTTTCAGACGATCTGTCAAGTGAGGAGGAT
GGTGAAGCACGGACCCAGATGATTAATGCGTAGGAGTGTGGAAGGGGCTCAAGTGACAATGGCTGTG
AAGTTAAGAACAGAAAATCAATACTTTCAAGGCACCTAAATTCAGGTAAGAAAAACCGGACAAGGTG
GTGTATATAGTTCGGGATTCAGATAGTCTGGCTGAATCAGAATTTGAATCAGCAGCCTTCAGCCAGGGT
TCTAGGCTGGTATGAGCGGTGGCTCTCGGAGCCTTAATTGTCAAGAAGAGACTCAGAAAGCACCCGAC
ATGACTCAGAGACGGAGGATATGTTATGGGATGACCTTCTCCATGGCCAGAGTGCCGGTCATCTGTCAC
CAGTGACAGTGAGGGGGCTCATGTAAATACCTTCATTACAGGACCAACAGTGACCCCAAGAGACGTT
TTTCAGCAGAACCATTATTCTGGCTTCAGAATCAAGTCCTGCCTCTGAGCGAGTTAGTGCGATAATCT
GGGAAGGAAACGAGTGCAAAAAGATGGATATGTCTGTGTAGAGATAAGCGGCATCATCATGAGCAGGGT
GAATGCATATGAGCAAGGTGTTGGCTATCAGATGCTGGGAATGCAGTCACCATTTGGCTTAGCGCTTTTC
CCGTTTTTATATCGACTCTTCGAGAGAAGAGCTTTGACCAACTAAAGTCCATTTTCAGCAGAGGAGGTCC
TGACCCCTTTCTGTGGTGCCTCCCGTCACACCTGTTGTTATTTGTCTATAATTAATTTTTTGAAG
ATTGTGCTTACGTGGATATTTTTTTCATGATGTGTGTGGCAGAGAGAACATATAAGCAGAGATTTTAA
TTTGCAAACTCTTCAGCCATATTACTTCTGCCAGGAAAGCCAGGAAATATGAAATACCTCATTTTCAGAC
TTAAAAAGGTGGAGAACATTAATAATGTTATCACTGCGCTCCTATCTAAAGAGACGGGGTCCACAGCG
CTCAGTGGATGTGGTCTGCTCCGTCTTCTGCTGACACTTTCAATAGCTTTTCAATTTGTTGTGCACAG
GTTCTTCAGGGTCACAAGACATTCCTGAATGATGCTTACAACCTGGGAGTTCTTGATCTGGGAAACAGCAC
TGCTGCTTTTCTGCTTCGCCTGGCCTCACTGGGCTCAGAAACCAACAAGAAATATAGCAATGTTCCAT
CCTGCTTACTGAACAGATTAATTTATATCTTAAATGGAAAAAAGCCAAATAAGAAAGAACAGCTCACC
CTGGTAACAATGTACTGAAGTTGTCCACCAAGTTGTTAAAGGAGCTGGACACACCATTTAGACTCTACG
GACTGACCATGAACCCCTTAATCTACAACATCACAAGAGTAGTCATCCTTTCTGCTGTCTCTGGGGTTAT
AAGCGATCTTCTAGGATTCAACATCAGACTATGGAAAAATTAAGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001191102

Insert Size:

2289 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001191102.1, NP_001178031.1</u>
RefSeq Size:	2792 bp
RefSeq ORF:	2289 bp
Locus ID:	252962
UniProt ID:	<u>F1M8G0</u>
Cytogenetics:	2q34
Gene Summary:	expressed in early pachytene spermatocytes and expression continues throughout spermatogenesis; may be localized to the Golgi and endoplasmic reticulum membranes [RGD, Feb 2006]