

Product datasheet for **SC314691**

PHTF2 (NM_020432) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHTF2 (NM_020432) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHTF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

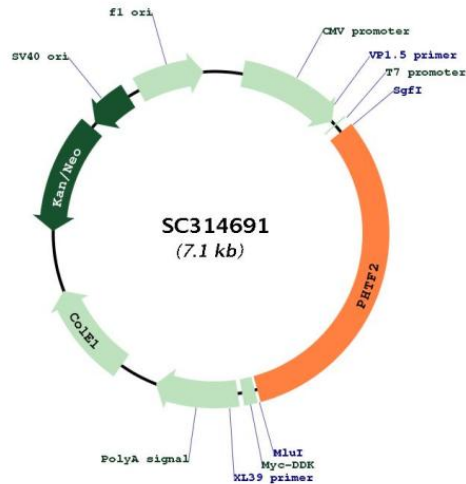


[View online »](#)

Fully Sequenced ORF: >SC314691 representing NM_020432.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGTCCAAAGTCACAGATGCTATAGTCTGGTATCAAAGAAGATTGGAGCATATGATCAACAAATA
TGGGAAAAATCTGTTGAACAGAGAGAAAATCAAGGGGCTAAGGAATAAACCAAAGAAAACAGCACATGTG
AAACCAGACCTCATAGATGTTGATCTTGTAAAGAGGGTCTGCATTTGCAAAGGCAAAGCCTGAAAGTCTT
TGGACTTCTCTGACCAGAAAGGAATTGTTGAGTTGATTTTTTCCCCTTTTTCTCCGGTGGTGGTTA
CAAGTAACATCAAAGGTCATCTTTTTCTGGCTTCTGTCCTTTATCTTCTCAAGTTGCTGCAATAGTA
TTATTCTGCTCCACTTCTAGCCACACAGCATACTCTGACAGAGGTGATTGGGCCGATATGGCTGATG
CTGCTCCTGGAACTGTGCATTGCCAGATTGTTCCACAAGAACCCAAACCTCCTAAGTACAGGG
GGTAAAAGAAGAAGGAAATTAAGAAAAGCAGCCATTTGGAAGTACATAGGAAGGAGATGGTTCTAGT
ACCACAGATAACACACAAGAGGGAGCAGTTCAGAACACGGTACAAGCACCTCTCACAGCGTTGGCACT
GTCTTCAGAGATCTCTGGCATGTGCTTTCTTTTTATCAGGATCAAAGAAAGCAAAGAATCAATTGAT
AAATCAACTGAAACTGACAATGGCTATGTATCCCTTGATGGGAAGAAGACTGTTAAAAGCGGTGAAGAT
GGAATACAAAACCATGAACCTCAGTGTGAAACTATTGACCAGAAGAGACAGCCTGGAACACAGGAACA
CTGAGGAATGGTCTAGCAAAGATACCCAAAGGACAATAACAAATGTCTCTGATGAAGTCTCCAGTGAG
GAAGGTCTGAAACAGGATACTCATTACGTCGTCATGTGGACAGGACTTCTGAAGGTGTTCTTCGGAA
AGAAAGTCACACCATTATAAGAAACATTACCCTAATGAGGACGCCCTAAATCGGGTACTAGTTGCAGC
TCTCGTGTTCAAGTCCAGACAGGATTCTGAGAGTGAAGGCCAGAATCTGAAACAGAAGATGTGTTA
TGGGAAGACTTGTACATTGTGCAGAATGCCATTATCTTGTACCAGTGAACAGATGTGAAAAATCAT
CAGATTAATCCATGTGTGAAAAAAGAATATAGAGATGACCCTTTTCATCAGAGTCATTTGCCCTGGCTC
CATAGTTCCACCCAGGATTAGAAAAAATAAGTGCATATAGTATGGGAAGGTAATGATTGTAAGAAAGCA
GACATGTCTGACTTGAATCAGTGGAATGATAATGAACAGAGTGAACAGCCATATACCAGGAATAGGA
TACCAGATTTTTGGAATGCAGTCTCTCTCATACTGGGTTAACTCCATTTGTTTTCCGACTTTCTCAA
GCTACAGACTTGGAACTCACAGCACATTCTGCTTCAGAACTTTATGTGATTGCATTTGGTTCTAAT
GAAGATGCATAGTTCTTTCTATGGTTATAATAAGTTTTGTGGTTCGCGTGTCTCTTGTGTGGATTTTC
TTTTTTTTGCTCTGTGTAGCAGAAAGAACTTATAAACAGCGATTACTTTTTGCAAACTCTTTGGACAT
TTAACATCTGCAAGGAGGCTCGAAAATCTGAGGTTCTCATTTCGGTTGAAGAAAGTACAGAATATA
AAAATGTGGCTATCTCTCGTTCTATCTTAAGCGTCGAGGTCTCAGCGATCAGTTGATGTAATAGTT
TCATCTGCTTTCTTATTGACTATCTCAGTTGTATTATCTGTTGTGCCAGCTACTTCATGTACACGAG
ATCTTCCTTGATTGCACTACAATTGGGAATTGGTAATCTGGTGCATCTCGTTAACACTTTTTCTCCTA
AGATTTGTTACCCTGGATCAGAAAAGTAAAAAATATAGTAATACCTCAATTACTTACTGAACAG
ATAAACCTCTACTTGAATGGAGAAAAACCTAACAAAAAGGAGGAACTGACACTAGTGAATAATGTT
TTAAAACCTGGCTACTAACTGCTAAAGGAGTTGGACAGTCCTTTTAGATTATATGGGCTTACAATGAAT
CCGCTGCTTTATAACATCACCCAGGTTGTTATCCTGTGACGCTGTTTCTGGTGTATCAGTGACTTGCTT
GGATTTAATTTAAAGCTATGGAAGATTAAGTCA TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_020432

Insert Size: 2244 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_020432.4](#)

RefSeq Size: 5013 bp

RefSeq ORF: 2244 bp

Locus ID: 57157

UniProt ID: [Q8N3S3](#)

Cytogenetics: 7q11.23-q21.11

Protein Families: Transcription Factors, Transmembrane

MW: 84.6 kDa

Gene Summary: May play a role in transcription regulation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) is missing a short, in-frame coding exon compared to transcript variant 1, resulting in an isoform (2) that is lacking a 4 aa internal segment compared to isoform 1. Transcript variants 2 and 3 encode the same isoform.