

Product datasheet for MC201506

PphIn1 (NM_146062) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PphIn1 (NM_146062) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PphIn1
Synonyms:	CR; HSPC206; HSPC232
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC031486 sequence for NM_146062
GGCGGCTGAGGCGGCGGACAGAGGCGGCGGACAGAGGCGGAGGCTCAGCAGTGGGACGTAGTGGCT
TCCACAAGAGATGAAATGTGGTCTGAGGGACGCTATGACTACGACCGACTCCGAGAGAACGCGTGCCTC
CCGGAGCCATCCAGTGATGGCTACCATAGAGTAGTTAATGTTGTGCCAAAGAGACCACCTCTGCTAGA
CAAGAGACCACCTCTGCTAGACAAGAGACCACCTCTGCTAGCCAGACCTGATGAAGGAGGCTACAGTAGA
TATTACAGTCATGTTGATTGCCGAGTATGTGACGAGGGCCGAGTTTTTCTCATGATCGAAGAAGTGGCC
CATCTCACAGTGGAGATGAATCTGGCTACAGATGGCTAAGAGATGATCATTCCACAAGCCGGCAGCCTGA
CTACAGGGACATGAGAGACGGCTTCAGAAGAAAGATTTCTACTCTTCACATTATTCGAGAGATCGGTCT
CCCCATAAAGGGACGCTCCCTTCTTCAGAGAATCCCCTGTGCGCCGGAAGGACTCCCCACACAGCAGAT
CCGGCTCCAGTGTGAGCAGCAGAAGCTATTCTCCAGAGCGAAGCAGGACTCACTCCTCCATCAGTCTCA
GCATAGAAAGTCCCTCGCTGTCGGTGTCTCCTACAAACGACAGAATGAAGCAATTCGTGGAAGAGGTA
GAGAGATCCATCCAGTCAAGTGAACCTCGAGAGATGCGTCACCCCTCAAGTTCCTCAGCAGTTGCTTCAT
CCAAGGCGTTAGACAAACCCAGCAGGCTAACTGAGAAGGAACCTGCTGAGGCTGAAAGCAAGTGGGCTAA
TGAAACACTAGAGAAGTCAGACGAAAGTAACTGGCTGAAATGAATGAGTTTGAGGCGGGATCCACGGCA
CCCTTATTTATTGACCAGACAGAAGAACCCGAGTCAAACACAGTATGTTGACAGAACTGTATGAAGACA
GCCAGCTCAGCAACCGCTCTAAAGCCATTGCCTCGAAAACCAAAGAGATTGAGCAGGTTTACCGACAAGA
CTGCGAGACTTTCGGGATGGTGGTGAATGCTGATTGAAAAAGATCCCTCATTAGAAAAGTCTGTCCAG
TTTGCACACTCTGCTCGGACTTTGGAGACCCCTTTTGAAGAAGAAGTACCCAGGTCAAAGGTTT
CTTAGATTGTTTTTTTCTCCTTGGATTGTGTAATCCTTACTATTTTGTGATGAAGAGAAAATACTTTATG
ATAGCTAAGCACATTTCTAGTACTAAATAAACATCTACAATAGCTTAAAGTATCTTAATTAGAATGTTTC
CCCTATGTGTAGAATATTCTACTCTATCTTCATACATTTCTCCCTCCAAAAATAATATTAGTACTTT
AATGTTCAAAGAAAAAGCAGCTCTGGAGAGCAGCTCCCTGTATTTAACCCATGTTTCATAGTCTTCCA
TGACGTCTATGATCATCTTTTTGCATACCGTGTAAAGTTGTCTTTTTTATTTTGTGTTTTTTGT
TTTTTTGTTCTTTTTTTTCGAGACAGGGTTTCTCTGTGATCCCTGGCTGCTGGAACCCACTCTGTA
GACCAGGCTGGCCTCAACTCAGAAATCCGCTGCCTCTGCCTCCCAAGTGTGGGATTAAGGCGTGCA
CCACCACTGCTGATTAGATGTTGATTCCAGCTGAATACTCTTTGGTATTGTTATTTGAATTGCTAAG



[View online »](#)

CACCTTCATTGTAGTTTGTAAACTCTCCTCTCCACCACCTTCTGATTGGTAAACACTGAGGGCCTGTAGG
 TCAGGAAAGGAAAGGCAGGGCAGGGCAGGGCATCAGAAAAGGAAGTCTGACTTTCAGGGACTGAAAGATA
 ACGGGCCATGTGACAAACATGGACCAAAAATAAATGGATTAGTTAAGCCATAGGAGCTAGTTGGGAAGAAG
 CCTAAGATATAAGGCCTTGGCATTACATAAATAAAAAAGTCTCTGTGTTATTGTTGAGAGTCAGGGGTC
 GAAACAGTCTAACAGTAGTGATCATTTGGTCTCAGGAGTTAATTTGTAGTTAAGATCATTCCAGATTGC
 ATACAATTAGTGGTACCGTTAGCATTTTGGTTGGTGTGTCAAAATATGCTGTCTTAATGAGTTAGAAC
 TTTGCTATCATTCAATATTTGCTTTGAGAATAATTCTTATTCAATATACAAAAAATGCACTTGAAAAATC
 TGTAAAGGATCTGTTAGAACAAAATCTTCTCCCAAGTCAGTAAACTTGGTTCATCTCTTCTATGAAGTGCT
 CTTAAGGCTTCTACCTGCTCTCTCTAGACAATATTATGGACTAACAGGAGAGGTAATCTGAGATGCAAGA
 TGAATATTAAGTTGAGATGGTCTCAGAAACCCATCTCATGGGTATAATAAAAAAATTAGAATATACAGAG
 CACTTAAGTTATGTTTTAGGCCACATTATCAAAAACGGGACCTGACATGGCACTCATGCTTGGGATT
 AAGCTATAGATTACTCTGTCATCTCCGTGATCTCAGTTCTGTGGGCGTAGAGGGGCTCACTGCTCACAA
 GTGTCCTCAGAACACACTGAGGCCAGCACAGCTGCCAGCAGCTCCTGAGTGAGCCACTGAATCAGTGAAG
 AGACACTTAGGATCTCTGCTCACTTCCCTGGTCCCTGGTTCAGTACTGAGGCAAAAATACTAAATTTGTGACAT
 TAGGCACCTTAAAAAATCACTGCCCAATCAAATTATCTACCTTTTTTTGGGGGGGGGGGTCAGGGT
 CTACAGTATAGCTAGCTAGCCTGAAAATCTCTGTGTAGACTAGGATAGCCTTAAACTCACAGACATC
 TCCCCACCCCTACCTCTTATATGCTGGCGTTAAGCCCACGGGCCACCCTGCTCAGCATCCTTTTGTGTTGT
 TTTCAATTTTCAATTTTTTTCTGTCCTTATTACTTTTTGATTTCGAGACAGGGTTTTGCTGTGTGCTCAGG
 CTGGCTTCAAACCTTCTGCTCTGGCCTTAGCTTTTGGGATTCTGCCTCAGCTTTCCTGAGCCCCAAT
 GCTTGCCGTGACCATTGAGTGGCCTCTATGATCCTGTCTGCGGATATCCCTAAACCACATACAGATTATA
 CTTAAGTAGAAAATAGAAGAATGGTTAATTTTAAATGAGCCCTAAAATAGATGTGTGAAGATTTGTATTATG
 CCATTTTGAATAAATAAACTAATTGACGACATGTTTTTGTGTTTGTGTTTCTTAAATCCCCAATG
 AGAACACTTGACGTTTTGGCATTGAGTCTTTCCATCCCTTTTCTGCGCACACTCCCCTCTGAGCGTGT
 GCTGCGCAATGCCTGTCACTTCAGTAATACCACAAGCGATTTTCTTCTTCCCTTCCACTAATCTCAGC
 TCTTTAAATCAAGTTATTAACAAGCATACGTATAAAATTTGAGGAGCTTCCAAGGCAAAAAAAAAAAAAA

Restriction Sites:

RsrII-NotI

ACCN:

NM_146062

Insert Size:

1146 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).

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:

[BC031486](#), [AAH31486](#)

RefSeq Size:

3570 bp

RefSeq ORF:

1146 bp

Locus ID: 223828

Cytogenetics: 15 E3

Gene Summary: Component of the HUSH complex, a multiprotein complex that mediates epigenetic repression. The HUSH complex is recruited to genomic loci rich in H3K9me3 and is probably required to maintain transcriptional silencing by promoting recruitment of SETDB1, a histone methyltransferase that mediates further deposition of H3K9me3. In the HUSH complex, contributes to the maintenance of the complex at chromatin. Acts as a transcriptional corepressor and regulates the cell cycle, probably via the HUSH complex. The HUSH complex is also involved in the silencing of unintegrated retroviral DNA: some part of the retroviral DNA formed immediately after infection remains unintegrated in the host genome and is transcriptionally repressed. May be involved in epithelial differentiation by contributing to epidermal integrity and barrier formation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1).