

Product datasheet for MC229267

Phc1 (NM_001271579) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phc1 (NM_001271579) Mouse Untagged Clone
Tag: Tag Free
Symbol: Phc1
Synonyms: AW557034; Edr; Edr1; Mph1; Rae-28; rae28
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229267 representing NM_001271579
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAACGGAGAGTGAGCAGAAGTCTAGTTCGACCAATGGGAGTTCAGTTCAGGGGCCAGCTCTCGGC
 CCCAGATAGCACAGATGTCCCTGTATGAACGGCAAGCAGTGCAGGCTCTGCAAGCACTGCAGCGCAACC
 TAATGCGGCTCAATATTTCCACCAAGTTCATGCTCCAGCAACAGCTCAGCAATGCCCAACTGCACAGCCTG
 GCAGCTGTCCAGCAGGCCACGATTGCTGCCAGTGCAGAGGCTAGCTCCCCAACAGCAGCACTGCACAGC
 AGCAGACCCGCTACCACCCAGGCCTCGATGAATCTCGCGACCACGTGAGCTGCTCAGCTCATCAGCCGATC
 GCAGAGTGTGAGCTCCCCAGTGTACCACCCTGACGCAGTGGTGTGCTGGGGAACACCACTTCCCCA
 CCTCTCAACCAAGTCCCAGGCCAGATGTATCTGCGGCCACAGTGGGCAACCTATTGAGGTTAACCAGGA
 CCTTGGGCGGAATGTGCCTCTTGCCCTCCAGCTCATCCTGATGCCTAATGGGGCAGTGGCTGCAGTCCA
 GCAGGAGGTGCCACCCGCTCAGTCTCCTGGAGTTCATGCAGATGCAGATCAGGTGCAGAAGTGGCAGTG
 AGGAACCAACAGGCTTCAGCTCAAGGACCCAAATGCCAGGCTCCACTCAGAAGGCCATCCCTCCTGGAG
 CTTCTCCTGTTTCTGGCCTCTCCAGACTCTAGCCAGGCCCTAGCCGTGGCAGCAGGCTTCTTCTGGGG
 CTCAGGCCAGTCACTCAACCTTAGTCAAGCCGGTGGAGGCAAGTGGGAATAGCCTCCAGGCTCCATGGGT
 CCAGGTGGAGGTGGCCAGGCGCCTGGGGGTTTAGGTGAGTTCAGTTCCTTCTCAGGATTGACTGGTGAAGCT
 GTCCCCGAAGGGCACAGGAGTGGTGCAGCCCTTACCTGCAGCTCAAACAGTGTGAGCCAAGGAAG
 CCAAACAGAAGCAGAAAGTGCAGCAGCCAAGAAGGCAGAAGCAGATGGGAGTGGCCAGCAGAGTGTGGGC
 ATGAACCTGACTCGACAGCCACACCTGCCCCAGCCAGACGCTTATTAGCTCAGCCACATACACACAGA
 TCCAGCCCCATTCACTGATTCAGCAACAGCAGCAGATCCACCTCCAGCAGAAGCAAGTGGTATCCAGCA
 GCAGATTGCCATCCACCACCAGCAACAGTTCACACACCAGTCCAGCTGCTTACACAGCCACACAC
 CTCAGTTGGCCAGCAGCAGCAGCAACAGCAGCAACAGCAGCAACAACAGCAACAGCAGCAGCAGC
 AGCAGCAAGGAACAACCTCACTGCCCTCAGCCACCCAGGTCCACCTACTCAGCAGGTCCCACCTTC
 CCAATCACAACAGCAAGCCAGACTCTGGTGGTCCAACCCATGCTTCAGTCTTACCCCTGACTCTTCCA
 CCTGAACCAACCTCTAAACCACCCATCCCATTAGTCCAACCTCCTGTAGCGCTATCAAACCTCCTC



[View online >](#)

```

AACTAGGAGCTGCTAAGATGTCAGCTACACAGCAGCCACCACCACATATCCCCGTGCAAGTTGTCGGTAC
CCGGCAGCCAGGTTTCAGCCCAAGCACAGGCTTTGGGATTAGCACAGCTGGCTGCTGCTGTACCTACTCCC
CGTGGAATAACAGGAGCAGTCCAGCCTGGCCAGGCTCATCTGGCCTCCTCGCCACCTTCATCACAGGCGG
CTCCTGGTGCACCTCAAGAATGTCTCTGCATTGGCTGCTGGGATGACCCTTGCTCCTGTGCAGGGGAC
AGCACATGTGGTAAAGGGTGGGCTACAGCCTCCTCTCCTGTTGTGGCCAGGTCCTGCTGCTTTCTAC
ATGCAGTCGGTGCACCTGCCGGTAAAGCCAGACCTGGCTGTGAAACGCAAAGCTGAGTCTGAGGAGG
AGAGAGATGACCTCTCCGATTGGCCTCTGTGCTTCTACAAAGGCCTCCCAGCAGCAGAGAGCCAAA
GGTAATAGAGGAGAAGAATAGTCTTGGAGAGAAAGCTGAACCAAGTGGCCAGTTTGAATGCTAATCCTCCA
AACAGTGATCTAGTAGCCTTGGCCCTACCCCATCAGCACCACCTCCTACTCTGGCCTTGGTGTCCAGAC
AGATGGGTGACTCAAACCCCCACAGGCCATTGTGAAGCCCAGATTCTCACGCACATCATTGAAGGCTT
TGTTATCCAGGAAGGAGCAGAGCCTTTCCGGTGGGATGTTCTCAGTTCTGAAAGAAACCAAGAAGCCA
CTGCAGGCTGGCCTTCCGACCGGCTGAATGAGAGTCAGCCAAGTGGCCCTTTGGGGGAGACAGCCCT
CTGTAGAGTTAGAGAAGAAGCAAATCTCCTCAAGTGTGAGTACTGTGGCAAGTACGCCCCAGCAGAGCA
GTTTCGAGGCTCTAAGAGGTTCTGCTCCATGACGTGTGCAAAGAGGTACAATGTGAGCTGCAGCCACCAG
TTCCGCTTGAAGAGGAAAAAATGAAAGAGTTTCAGGAAGCCAGCTATGCACGTGTCGGAGGCGTGGAC
CCCGCCGAGCTCCTCTGATATTGCTCGTCTAAGATCCAGGGCAAGCGCCATCGGGGTCAAGAGGACTC
TAGCCGGGGATCAGATAATTCCAGCTATGATGAAGCACTCTCTCCAACATCTCCTGGGCCACTGTAGTA
AGAGCCGGGCACGGAGAAGCTGATCTAGGAAACACCATTAACAACCCCATCCACGCCAGAGTTACAGGGCA
TCAATCCCGTGTCTTGTCCAGTAATCCTAGCCAAATGGAGCGTCGAGGAGGTTACGAGTTTATTGCTTC
TCTGCAAGGCTGCCAAGAGATTGCGAAGAGTTTCGTTCCAGGAGATTGATGGACAGGCCCTTTTATTA
CTTAAAGAAGAACATCTGATGAGTGCCATGAACATCAAATTAGGTCTGCTCTCAAGATCTGTGCCAAGA
TCAATGTCCTCAAGGAGACCTAA

```

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001271579
Insert Size:	3033 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:	<ol style="list-style-type: none"> 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_001271579.1</u> , <u>NP_001258508.1</u>

RefSeq Size: 3870 bp

RefSeq ORF: 3033 bp

Locus ID: 13619

UniProt ID: [Q64028](#)

Cytogenetics: 6 57.52 cM

Gene Summary: Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Required for proper control of cellular levels of GMNN expression (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Both variants 1 and 3 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.