

Product datasheet for MC202540

Phc1 (NM_007905) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phc1 (NM_007905) Mouse Untagged Clone
Tag: Tag Free
Symbol: Phc1
Synonyms: AW557034; Edr; Edr1; Mph1; Rae-28; rae28
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC052394 sequence for NM_007905
 GTTTAGGGTGGCCTTTGACTCTTAGTTTTAATTTTTGATTGAGTTTGCCACCTAAACGGTGTGCTCTCTT
 CACTTTCTATACTGAATCTGGAACCTCACAACTTCATTGAAAAATGAGGATTTTAAGATAGATTTGTGTG
 CCTGCGAGGTTTTGATGGCAGTTTCCCTGGTGAAGACTTTAAAATTGGCCCTCTCTGTTTCATTATC
 TGGGGAAATGAGGGGTCATCGAATTGATGAACGTGTTTTATATAAGGCTCTATTGCAAGTAACAGGGT
 CTTACGCTCTGAGTGCAGTGAGATAACTCCAGTAATCTGTACAACCTGTGCCATGCTGCCTCTAATCCTT
 ACCCACTTTTTTCTTCCATGCTGATATTGAGGATTCATGGGGCTTGAGTCAGAGCGCCATTCTTGGG
 GACCCTGGAACGCTATCATGAAACGGAGAGTGAGCAGAACCTAGTTCGACCAATGGGAGTTCAGTTC
 AGGGGCCAGCTCTCGGCCAGATAGCACAGATGTCCCTGTATGAACGGCAAGCAGTGCAGGCTCTGCAA
 GCACTGCAGCGGCAACCTAATGCGGCTCAATATTTCCACCAGTTCATGCTCCAGCAACAGCTCAGCAATG
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 CAGCAGCACTGCACAGCAGCAGACCGCTACCACCCAGGCCTCGATGAATCTCGCGACCACGTCAGCTGCT
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 CAAGTGGTGATCCAGCAGCAGATTGCCATCCACCACCAGCAACAGTTCACACACCAGTCCCAGCTGC
 TTCACACAGCCACACACCTCCAGTTGGCCAGCAGCAGCAGCAACAGCAGCAACAGCAGCAACAACA
 GCAACAGCAGCAGCAGCAGCAAGGAACAACCTCACTGCCCTCAGCCACCCAGTCCCACCTACT



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CAGCAGGTCCCACCTTCCAATCACAACAGCAAGCCCAGACTCTGGTGGTCCAACCCATGCTTCAGTCTT
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CGGTTTTGCTGCAGGGACGAAGTGTGAGTGACACATGTGGCTGTTGCCATTCTTCTGCACCCAGCT
CCCAACTGTTCCACCTTCAACCCTTTTCCATTCCAACGCTGCTCTGTCTATAGCTTCAAAAACAG
GAGCGTGTGGGCTGAGGTGAGGACTGTACCTTGGGCACTATTCTTATACAAAATATTAATATTTTTT
TTCTCAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** Ascl-NotI
- ACCN:** NM_007905
- 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).
- 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: [BC052394](#), [AAH52394](#)

RefSeq Size: 4237 bp

RefSeq ORF: 3033 bp

Locus ID: 13619

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 (1) encodes the predominant isoform (a). Both variants 1 and 3 encode the same isoform (a). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.