

Product datasheet for **MC223013**

Phc3 (NM_001165954) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phc3 (NM_001165954) Mouse Untagged Clone
Tag: Tag Free
Symbol: Phc3
Synonyms: E030046K01Rik; Edr3; Hph3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC223013 representing NM_001165954
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAAGCGGAGTTAAGGACCACAGCACAGCTATGGATAGTGAGCCGAGCTCTGGAACATCCGTG
 CAACAACAGCCAGCAGTACCACCACCACCACCATCACCACATCCTCCTCCGAATGCAGCAGCCACAGAT
 CTCTGTCTACAGCGGGTACAGCCGACATGCTGTTCAAGTAATTCAGCAGGCCCTTGCATCGGCCCCCAGC
 TCGGCAGCTCAGTACCTGCAGCAGATGTACGCGGCTCAGCAGCAGCACCTGATGCTGCACACGGCTGCTC
 TGCAGCAGCAGCACCTAAGCAGCTCGCAGCTCCAGAGCCTTGGCGCTGTCCAGGCAAGTTTGTCCAGTGG
 AAGACCATCTACATCCCCACAGGCAAGTGTACACAACAGTCAAGTATGTCCAGACATCTATCCTGTCC
 GCTTCTCCTGCACCTGCTCAGCTGATGAACCGCTCCCAGACGTCCAGTTCTACCAGCGGCAGTATTACCC
 AGCAGACTATGCTACTCGGGAGTACCTCTCCCACCCTAACTGCCAGCCAAGCCCAGATGTATCTCCGAGC
 TCAGATGCTGATTTTACACCTGCTACCACTGTGGCTGCTGTACAGTCTGACATCCCTGTTGCTCGTGC
 TCACCGTCACCTTCTGTGAGTCTGCAGCTGCTCAGGTTCAAGATTTAACCTTACGCAGCCAGAAGCTGG
 GTGCTTATCTAGCTCACAGAAATGGCTCACAAAAAGCGCTGGTCAAACCCAGTCCCTTGACAATTTGCCA
 TAATAAAACAACAGTGACCAGTTCTAAAATCAGCCAACGAGACCCTTCTCCAGAGAGCAAGAAGGGAGGA
 AGCCCAGGCTGGAAATCTCGGACAGCGCCGCTCACTCGGACATCAAGCATCCACCAGTTAATAGCACCA
 CTTTATATTCTCAATTCAGCCTATTCTCTAATCAAACATCAGCAGATTCTCTTATTACCACCTCC
 TAAAGTTTCCCATCATCAGCTGCTATTACAACAGCAACAACAGCAAATTCAGCCAATCACCTTCAGAGT
 CCAAGTCAAGATCCACCCCATCCAGCACTGTATCCCACTCCCAAACCATGGCCTTTCTCCGGCTCCCA
 GTAATGCCAGCCGAGCATTGCTCCCCAGTTCAGAGCCATCCTCCGCCTTAACTGTGTCTCCCAACCA
 GGCACAGTCCGCACAGCAGTCTGTAGTGGTGTCTCTCCCCCCCCCTATTCCCAAGTCACTCTCTACT
 ATAATTATCCATCCACAAGCACTTATCCAGCCACACCCTTTGTGTCTTCAGCTCTTCAAACAGGGCCAA
 ATTTGCAGCAGGCTGCTGCTGATCAGGTACAGTCCACCGCACAGCTGAATCTTCCATCCCATCTTCCACT
 TCCAGCATCCCCTGTTGTACACATTGGCCCTGTCCAGCAGTCTGCCTTGGTGTCCCTGGTCAAGCAGATG



[View online »](#)

GTGTCCCAACATCACACCAGCAGTATTACAGCCCTACAGTCTCTCCAATCCCATCGCGACCCCTCCAC
 AGATGTCGGCATCTCTCCAGCTCAGCTCCCACCACTGCCCTTGCACTATGCAGTCTTTACAAGTGCA
 GCCTGAAATTCTATCCCAGGGCCAGGTTTTGGTGCAGAATGCTTTGGTGTGAGAAGAGGAGCTACCTGCT
 GCAGAAGCTTTGGTCCAGTTGCCATTCAGACTTTCCTCCTCCACAGACTGTTGCGGTAATCTACAAG
 TACAGCCGCCAGCACCTGTTGATCCACCAGTGGTTTATCAAGTAGAAGATGTGTGTGAGGAAGAAATGCC
 AGAGGAGTCCGATGAGTGTGCAAGGATGGACAGAACCCCCCACCCTTGTCTCCAGCAGCTGTC
 ACTGTGGGGAGGGGAGAGGACTTGACATCCGAACATCCTTTGTTAGAGCAAGTGGAGTTGCCTGTGTTG
 CCTCAGTCAGTGCTTCCGTGATCAAGTCTCCATCAGACCCACCCATGCCTCTGCTCCTGCACCTCCCCT
 CTTAATCCCTGCTGCCTCCACCAGGAGCAGCAGCACTTCTCTGGCCAGCAGCACTCCCAGCTGGAAAAAC
 AAGCTCCACAGGCTATTGTGAAACCACAGATTTTACCACGTTATAGAAGGCTTTGTATTGAGGAGG
 GGCTGGAGCCGTTTCTGTGAGTCGATCATCACTGCTGATAGAACAACCTGTGAAGAAGAGGCTCTCTT
 GGATAATCAGGTGGTAACTCTGTGTGTGTCCAGCCAGAGTTACAGAATAACACAAGCATGCAGATAAC
 TCATCCGACACAGAGATAGAAGACATGATGGCTGAAGAGACATTGGAAGAAATGGATAGCGAGTTACTCA
 AGTGTGAATTCTGTGAAAAATGGGATATCCTAATGAATTTTACGGTCCAAACGATTCTGTACTATGTC
 ATGTGCCAAAAGGTACAACGTTAGCTGTTCTAAAAAATTTGCACTTAGTCTGGTGAATCGTAAGCCTGAT
 AATCAGAGTCTTGGGCATCGGGCCGCTCGTCCAAGTGGCCCTGAAGGGGAGCAAGAGAACATATCCTTA
 GGCAGCTTCCAATTACTTATCCATCTGCAGAAGAAGACGTGGCCCTCATGAAGATCCTGTGCCTTCTGC
 TATGACGACCCGCTCGCAAGGCAGAGCGAGCGGAAAGAGAGCGAGAGCTTCGGGATGTGAGGATTAGG
 AAGATGCCTGAGAATAGTGACTTGTCTCCAGTCGCACAGACTGAGCCCTCCATATGGACAGTCGACGACG
 TCTGGGCTTTCATCCATTCTTTGCCCGGCTGCCAGGACGTTGCAGATGAGTTCAGGGCACAAGAGATTGA
 TGGGCAGGCCCTGCTCTGTCTAAAAGAAGACCATCTCATGAGTGAATGAACATGAAGCTGGGCCACGCC
 CTGAAGATTTGTGCACGCATCAACTCTCTGAAGGACTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001165954
- Insert Size:** 2982 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:** [NM_001165954.1](#), [NP_001159426.1](#)
- RefSeq Size:** 11051 bp
- RefSeq ORF:** 2982 bp

Locus ID: 241915

UniProt ID: [Q8CHP6](#)

Cytogenetics: 3 A3

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 (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longest isoform (1). 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.