

Product datasheet for MC222974

Phc3 (NM_153421) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phc3 (NM_153421) 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:	>MC222974 representing NM_153421 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAGTGAGCCGAGCTCTGGAACATCCGTGTCAACAACAGCCAGCAGTACCACCACCACCACCATCA
CCACATCTCCTCCGAATGCAGCAGCCACAGATCTCTGTCTACAGCGGGTCAGACCGACATGCTGTTCA
GGTAATTCAGCAGGCCTTGCATCGGCCCCCGCTCGGCAGCTCAGTACCTGCAGCAGATGTACGGGCT
CAGCAGCAGCACCTGATGCTGCACACGGTCTCTGCAGCAGCAGCACCTAAGCAGCTCGCAGCTCCAGA
GCCTTGCGGCTGTCCAGGCAAGTTGTCCAGTGAAGACCATCTACATCCCCACAGGCAGTGTTACACA
ACAGTCAAGTATGTCAGACATCTATCCTGTCCGCTTCTCCTGCACCTGCTCAGCTGATGAACCGCTCC
CAGACGTCAGTCTACAGCGGCAAGTATTACCCAGCAGACTATGCTACTCGGGAGTACCTCTCCACCC
TAACTGCCAGCCAAGCCAGATGTATCTCCGAGCTCAGATGCTGATTTTACACCTGCTACCACTGTGGC
TGCTGTACAGTCTGACATCCCTGTTGTCTCGTCGTCCCGTCCACCTTCTCCTGTCAGTCTGCAGCTGCTCAG
GTTTCAAGATTTAACCTTACGCAGCCAGAAGCTGGGTGCTTATCTAGCTCACAGAATGGCTACCAAAAA
GCGCTGGTCAAACCCAGTCCCTTGACAATTTGCCATAATAAAACAACAGTGACCAGTCTAAAATCAGCCA
ACGAGACCCTTCCAGAGAGCAAGAAGGGAGGAAGCCAGGTCTGGAATCTCGGAGCACGGCCGCTCACT
CGGACATCAAGCATCCACCAGTTAATAGCACAGCTTCAATTTCTCCAATTCAGCCTCATTTCTAATCA
AAGTACAGCAGATTCTCTTATTACACCTCCTAAAGTTTCCCATCATCAGCTGCTATTACAACAGCA
ACAACAGCAAATTCAGCCAATCACCCCTTACAGTCCAAGTCAAGATCCACCCCCATCCAGCACTGTATC
CCTCCCAAACCATGGCCTTTCTCCGGCTCCAGTAATGCCAGCCGACAGATTGCTCCCAAGTTCAGCA
GCCATCTCCGCCTTAACTGTGTCTCCCAACAGGCACAGTCCGCACAGCAGTCTGTAGTGGTGTCTCC
TCCCCCCTCATTCCCCAAGTCAGTCTCCTACTATAATTATCCATCCACAAGCACTTATCCAGCCACAC
CCTTTGTGTCTCAGCTCTTCAAACAGGGCAAATTTGCAGCAGGCTGCTGCTGATCAGGTACAGTCCA
CCGCACAGCTGAATCTTCCATCCCATCTTCCACTCCAGCATCCCCTGTTGTACACATTGGCCCTGTCCA
GCAGTCTGCCTTGGTGTCCCTGGTCAGCAGATGGTGTCCCAACATCACACCAGCAGTATTAGCCCTA



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CAGTCCTCTCCAATTCCCATCGCGACCCCTCCACAGATGTCGGCATCTCCTCCAGCTCAGCTCCCACCAC
 TGCCCTTGCAGTCTATGCAGTCTTTACAAGTGCAGCCTGAAATCTATCCCAGGGCCAGGTTTTGGTGCA
 GAATGCTTTGGTGTGAGAAGAGGAGCTACCTGCTGCAGAAGCTTTGGTCCAGTTGCCATTTAGACTCTT
 CCTCTCCACAGACTGTTGCGGTAATCTACAAGTACAGCCGCCAGCACCTGTTGATCCACCAGTGGTTT
 ATCAAGTAGAAGATGTGTGTGAGGAAGAAATGCCAGAGGAGTCCGATGAGTGTGCAAGGATGGACAGAAC
 CCCCCACCCCCACCTTGTCTCCAGCAGCTGTCACTGTGGGGAGGGGAGAGGACTTGACATCCGAACAT
 CCTTTGTTAGAGCAAGTGGAGTTGCCTGCTGTGGCCTCAGTCAGTGCTTCCGTGATCAAGTCTCCATCAG
 ACCCCACCCATGCCTCTGCTCCTGCACCTCCCCTTAAATCCCTGCTGCCTCCACCAGGAGCAGCAGCAC
 TTCTCTGGCCAGCAGCACTCCCAGCCTGAAAAACAAGCCTCCACAGGCTATTGTGAAACCACAGATTTTG
 ACCCACGTTATAGAAGGCTTTGTGATTACAGGAGGGGCTGGAGCCGTTTCTGTGAGTCGATCATCACTGC
 TGATAGAACAACCTGTGAAGAAGAGGCCTCTTTGGATAATCAGGTGGTAAACTCTGTGTGTGCCAGCC
 AGAGTTACAGAATAACACAAAGCATGCAGATAACTCATCCGACACAGAGATAGAAGACATGATGGCTGAA
 GAGACATTGGAAGAAATGGATAGCGAGTACTCAAGTGTGAATTCTGTGGAAAAATGGGATATCCTAATG
 AATTTTTACGGTCCAACGATTCTGTACTATGTGCATGTGCCAAAAGGTACAACGTTAGCTGTTCTAAAAA
 ATTTGCACTTAGTCGTTGGAATCGTAAGCCTGATAATCAGAGTCTTGGGCATCGGGCCGTCGTCCAAGT
 GGCCTGAAGGGGAGCAAGAGAACATATCCTTAGGCAGCTTCCAATTACTTATCCATCTGCAGAAGAAG
 ACGTGGCCTCTCATGAAGATCCTGTGCCTTCTGCTATGACGACCCGCTCTGCAAGGCAGAGCGAGCGGGA
 AAGAGAGCGAGAGCTTCGGGATGTGAGGATTAGGAAGATGCCTGAGAATAGTGACTTGCTCCCAGTCGCA
 CAGACTGAGCCCTCCATATGGACAGTCGACGACGCTCTGGGCCTTCATCCATTCTTTGCCCGGCTGCCAGG
 ACGTTGCAGATGAGTTCAGGGCACAAGAGATTGATGGGCAGGCCCTGCTCTTGTCTAAAAGAAGACCATCT
 CATGAGTGAATGAACATGAAGTGGGCCAGCCCTGAAGATTTGTGCACGCATCAACTCTCTGAAGGAC
 TCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_153421
- Insert Size:** 2946 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_153421.2](#), [NP_700470.2](#)
- RefSeq Size:** 11066 bp
- RefSeq ORF:** 2946 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 (2) differs in the 5' UTR and uses a downstream translational start codon, compared to variant 1. The encoded isoform (2) is shorter at the N-terminus, compared to 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.