

Product datasheet for **MC220794**

Phc2 (NM_001195130) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phc2 (NM_001195130) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Phc2
Synonyms:	A3galt2; AA415044; D4Ertd810e; D130050K19Rik; Edr2; Mph2; p36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220794 representing NM_001195130
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAATGAGCTGCCAGTCCCCACACATCCAACCGGGCCAGTGTACCACCAACACCAGTGGGACCA
 ATAGTAGCAGTGGCTGCATCAGCAGCAGCGGGTGGTGGTGGCAGCGGTGGCCGCCACTGCACCCCA
 GATTTCTGTGTACAGTGGGATTCCTGACCGGCAGACTGTGCAGGTGATCCAGCAGGCCCTGCACAGGCAG
 CCCAGCACGGCGGCAGTACCTGCAGCAGATGTATGCTGCCAGCAACAACACCTCATGCTGCAGACAG
 CGGCCTTACAGCAGCAGCACCTCAGCAGCGCAGCTCCAGAGCCTGGCAGCAGTGCAGCAGGCAAGCCT
 GGTGGCCAACAGACAAGGAAGTACTCCCGGTAGCAGTGTGCTCCTCACAGGCTCCTGCCAGTCTTCTTCA
 CTAATCTGGCAGCCTCCCGGCAGCAGCCAGCTTATCAACCGGCACAGAGTGTCAATTCAGCCGCAG
 CCTCGGCCCTTGGCCAGCAGGCCGTGCTCTTGGCAACACGTCTCCCTGCCCTGACTGCCAGCCAAGC
 ACAGATGTACCTCAGGGCGCAGATGCTCATCTTACGCCACGGCCACCGTCGCTACTGTTACGCCTGAG
 CTCTGCACTGGTTCCTGCTCGGCCCTACCCCTGCCAGGTACAGAACCTGACGCTTCGCACCCAGC
 AGACACCAGCAGCAGCAGCCTCGGGCCCTCCCCCACCCAGCCTGTCTGCCAGCTTGGCCCTGAAACC
 CACACCCAGCAGTAGCCAGCCTCTGCCTGCCCCACCACAGGGCAGGACCATGGCTCAGGGTTCCTGCG
 GGTGCCAAGCCTAGTGGGACTGACAATGCGCCAGAGACTCAAGGCAGGAGATGGTAACTGCAACATGG
 AGGGCCGGCCAGGGCCTGGCCGGCAGTTCCTGCTGTGGTACTCACCCGCTCATTGCACAGCTTATGC
 TCACCTGCAGTCACACAGCTCCTCCACAGCCGCCAGCGAAGCACCCACAGCCCAAGTTTGTGGCCAA
 CAGCAACCACAGCCACCACGACCTGCACCCCAAGTCCAGTCCCAACCCAGCTTGCCTCAGTCTCCCAA
 GCATGGCCCTACAGTCCAGTCCAGAAGCCATGCCCTGCCCTTAGGCTCAGTGACACAGGCCCTGCCCT
 CCAGTGCTTACCACGCATGTCCACAAGCCAGGGAACAGCCAGCAGTGTACCTTCCACACTAGACACC
 GGGTCTCAGAATGGACATCCTGAGGGTGGTCCCATCCCCCAGCGAAGTTCCAGCACACCTCAGCTG
 TGATCTTACAGGTGCAGCCCGCTTCTCCAGTTACGCCCCAGCAGTGTGCTCCCGATGACTGGAAGGAAGT
 GGTGCCAGCGGAGAAGAGTGTGCTGTGGCTCGGCCAGGCCCTCCACACCAGCAAGCCATCATCCCT
 GCCATACCCGGTGGCTTGCCTGGACCAAGAGTCCCAACATCCAGCAGTGCACAGCTCACGAGACAGGGC
 AGGGCATTGTTTACGACTGACCGACCTCAGCAGCCCCGGCATGACCTCAGGGAACGGAACTCTGCCTC
 CAGCATCGCCGCACTGCCCCCAAGATGGTGAAGATAAACCACCACAGGCCATTGTGAAACCCCAATC
 CTGACGCATGTTATCGAAGGGTTTGTGATCCAGGAGGGGGCGGAGCCTTCCCGGTGGGAGCTCGTCCC
 TGCTGGTAGGGAATCTCAAAAAGAAGTATGCACAGGGGTTCTTGCTGAGAAGCCTCCACAGCAGGACCA
 CACCACCACCACCGACTCAGAGATGGAGGAGCCCTACCTGCAAGAATCCAAGAGGAGGGCACTCCCTC
 AAACCAAGTGTGAGCTCTGTGGACGGGTGGACTTTGCCTACAAGTTCAAGCGTTCCAAGCGCTTCTGTT
 CCATGGCTTGTGCAAGAGGTAATGTGGGATGCACCAACAGAGTGGGACTTTTTCACTCAGACCGAAG
 CAAGCTGCAGAAGGCAGGGACCACAACCCACAACCGCCGACGGCCAGCAAGGCCAGTCTGCCACACTC
 ACCAAGGACACCAAGAAGCAGCCCTCAGGCACTGTACCCCTTTCAGTTACTGCCGCTTGCAGCTGGCGC
 ACAGCCAGGAGGACTCCAGCCGGTGTCTAGATAACTCCAGCTATGAGGAGCCCTTGTACCCATCTCAGC
 CAGCTCGTCCACCTCGCAGCGGCCAAGGCCAGAGGGACCTGGATCTCCCTGACATGCACATGAGGGAC
 CTTGTGGCGTGGGACACCACTTCTGCCGAGCGAGCCACAAAATGGAATGTAGAGGATGTCTATGAGT
 TCATCCGCTCTCTGCCAGGCTGCCAGGAGATCGCGGAGGAGTTCCGTGCCAGGAGATTGATGGGCAAGC
 CTTGCTGCTGCTCAAGGAGGACCACCTAATGAGCGCCATGAACATCAAGCTAGGGCCCGCCCTGAAGATC
 TACGCACGCATCAGCATGCTCAAGGACTCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001195130
Insert Size: 2553 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:	<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:	NM_001195130.1 , NP_001182059.1
RefSeq Size:	3949 bp
RefSeq ORF:	2553 bp
Locus ID:	54383
UniProt ID:	Q9QWH1
Cytogenetics:	4 62.12 cM
Gene Summary:	<p>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.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein (isoform A). Sequence Note: This RefSeq record was created from 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.</p>