

Product datasheet for **SC309353**

PHC2 (NM_198040) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHC2 (NM_198040) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHC2
Synonyms:	EDR2; HPH2; PH2
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_198040, the custom clone sequence may differ by one or more nucleotides

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ATGGAGAATGAGCTGCCAGTCCCACATACATCTAGCAGTGCCTGTGCCACCAGCAGTACC
AGCGGGGCCAGTAGCAGCAGTGGCTGCAACAACAGCAGCAGTGGTGAAGTGGCCGCCCC
ACCGGGCCCCAGATTTCTGTGTACAGTGGTATTCCAGACCGGCAGACCGTGCAGGTGATC
CAGCAGGCCCTGCACAGACAGCCAGCAGCGCCGCTCAGTACCTGCAGCAGATGTACGCC
GCCCAGCAGCAGCACCTCATGCTGCAGACCGCGCGCTCCAGCAGCAGCACCTCAGCAGC
GCCCAGCTCCAGAGCCTGGCAGCCGTACAGCAGGCAAGCCTGGTATCCAATAGACAAGGA
AGCACTTCAGGCAGCAATGTGTCTGCGCAGGCCCGGCCAGTCATCTTCGATCAACCTG
GCAGCCTCCCCAGCAGCAGCCAGCTCCTCAACCGGGCCAGAGTGTGAAGTCTGCAGCA
GCCTCAGGCATCGCTCAGCAGGCTGTGCTCTTGGGCAACACGTCTTCCCCAGCCCTGACT
GCAAGCCAAGCACAGATGTATCTGAGGGCACAGATGCTCATCTTCAGCCACAGGCCACC
GTGCGTACTGTGCAGCCTGAGCTCGGCACTGGCTCCCCCGCCGGCCCCCACCCTGGCC
CAGGTACAGAACTTGACCCTCCGAACACAGCAGACACCAGCGGCAGCAGCCTCGGGCCCC
ACCCCCACTCAGCCTGTCTGCCAGCTTGGCCCTGAAACCCACGCCGGGCGGTAGCCAG
CCTCTGCCTACCCAGCAGAGCAGAAATACTGCTCAGGCTTCCCTGCAGGTGCCAAG
CCTGGCATAGCTGACAGTGTGATGGAGCCACACAAGAAAGGAGATGGCAACAGCAGTGTG
CCAGGGAGCATGGAAGGCCGGGCTGGGCTCAGCCGGACGGTTCCTGCTGTGGTGCACCAC
CCCCTCATTGCACCAGCCTATGCTCAGCTGCAGCCACACCAGCTCCTCCACAGCCATCC
TCAAAGCACCTGCAGCCCCAATTTGTGATCCAGCAGCAGCCACAGCCACAACAGCAGCAG
CCGCCGCCCAGCAGTACGGCCTGTGCTCCAAGCTGAGCCCCACCCAGCTCGCCTCA
GTCTCTCAAAGCGTGGCCCTCCAGCCAGCTCAGAGGCCATGCCATGCCACTAGGCCCG
GTTACACCCGCCCTGCCACTCCAGTGTCCCACTGCCAACCTGCACAAGCCTGGCGCGCAT
CAGCAGTGTACCCTCCACACCTGATACTGGGCTCAGAATGGACATCCCGAGGGCGTG
CCCCACACCCCTCAACGCAGGTTCCAGCACACTTCAGCTGTCTTACAAGTGCAGCCT
GCTTACCACCCAGCAGTGTGTCCCTGATGACTGAAAGAAGTGGCACCAGGGGAGAAA
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CCTGGTGGCCTGCCTGTACCCACGAGCCCTAACATCCAGCCGTCCCAGCTCACGAGACA
GGGCAGGGCATTGTTTATGCACTGACCGACCTCAGCAGCCCCGGCATGACCTCAGGGAAC
GAAACTCTGCCTCCAGCATCGCCGGCACTGCCCCCAGAATGGTGAATAAACCACCA
CAGGCCATTGTGAAACCCAAATCCTGACGCATGTTATCGAAGGGTTTGTGATCCAGGAG
GGGGCGGAGCCTTCCCCTGGGACGCTCGTCCCTGCTGGTGGGAATCTCAAGAAGAAG
TATGCACAGGGGTTCTGCCTGAGAAACTTCCACAGCAGGATCACACCACCACCTGAC
TCGGAGATGGAGGAGCCCTATCTGCAAGAATCCAAGAGGAGGGTGTCCCCTCAAACCTC
AAGTGTGAGCTCTGTGGCCGGTGGACTTTGCCTATAAGTTCAAGCGTTCCAAGCGCTTC
TGTTCCATGGCTGTGCAAAGAGGTACAACGTGGGATGCACCAAACGGGTGGGACTTTTC
CACTCAGACCGGAGCAAGCTGCAGAAGGCAGGAGCTGCGACCCACAACCGCCGTCCGGCC
AGCAAAGCCAGTCTGCCACCACTTACCAAGGATACCAAGAAGCAGCCAACAGGCACTGTG
CCCCTTTCGGTTACTGCTGCTTTGCAGCTAACACACAGCCAGGAAGACTCCAGCCGTTGC
TCAGATAACTCAAGCTATGAGGAACCCTTGTACCCATCTCAGCCAGCTCATCTACTTCC
CGCCGGCAGACAAGGCCAGCGGGACCTGGAGCTCCCCGACATGCATATGCGGGACCTGGT
GGCATGGGACACCACTTCTGCCAAGTGAGCCACCAAGTGAATGTAGAAGACGTCTAC
GAATTCATCCGCTCTCTGCCAGGCTGCCAGGAGATAGCAGAGGAATTCGTCGCCAGGAA
ATCGACGGGAAGCCCTGCTGCTCAAGGAGGACCCTGATGAGCGCCATGAACATC
AAGCTGGGCCCCGCTGAAGATCTACGCCGCATCAGCATGCTCAAGGACTCCTAG

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Restriction Sites: Please inquire

ACCN: NM_198040

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_198040.1</u> , <u>NP_932157.1</u>
RefSeq Size:	3885 bp
RefSeq ORF:	3873 bp
Locus ID:	1912
UniProt ID:	<u>Q8IXK0</u>
Cytogenetics:	1p35.1
Gene Summary:	<p>In <i>Drosophila melanogaster</i>, the 'Polycomb' group (PcG) of genes are part of a cellular memory system that is responsible for the stable inheritance of gene activity. PcG proteins form a large multimeric, chromatin-associated protein complex. The protein encoded by this gene has homology to the <i>Drosophila</i> PcG protein 'polyhomeotic' (Ph) and is known to heterodimerize with EDR1 and colocalize with BMI1 in interphase nuclei of human cells. The specific function in human cells has not yet been determined. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>