

Product datasheet for **SC106370**

PHC2 (AJ242730) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PHC2 (AJ242730) Human Untagged Clone
Tag: Tag Free
Symbol: PHC2
Synonyms: EDR2; HPH2; PH2
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for AJ242730 edited

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GAATTCGGCACGAGGGCAGGGTGC GCGGCGCTGAGCCGAGGGGGCGGGCTGAGGGGCGGC
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GTCCCCAGCTCACGAGACAGGGCAGGGCATTGTTTCATGCACTGACCGACCTCAGCAGCCC
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5' Read Nucleotide Sequence:	>OriGene 5' read for AJ242730 unedited NTCATTACCCCGCCGTTGNCGCATAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA AGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCG CGAATTCGGCACGAGGGCAGGGTGC GCGGCGCTGAGCCGAGGGGGCGGGCTGAGGGGCGG CCCCCGGAGAGAGCGGCCAGGTGGAGGAGGAGCGGGAGGCGACCGCAGCATCTGCCTG CCCTTCTGCCATCCGAGCGCCCTGACTGCGCCACACTGCAGGCCATGGAGAATGAGCTGC CAGTCCCACATACATCTAGCAGTGCCTGTGCCACCAGCAGTACCAGCGGGGCCAGTAGCA GCAGTGGCTGCAACAACAGCAGCAGTGGTGGAAAGTGGCCGCCACCACCGGGCCCCAGATTT CTGTGTACAGTGGTATTCCAGACCAGCAGACCGTGCAGGTGATCCAGCAGGCCCTGCACA GACAGCCCAGCACGGCCGCTCAGTACCTGCAGCAGATGTACGCCGCCAGCAGCAGCACC TCATGCTGCAGACCGGGCGCTCCAGCAGCAGCACCTCAGCAGCGCCAGCTCCAGAGCC TGGCAGCCGTACAGCAGGCAAGCCTGGTATCCAATAGACAAGGAAGCACTTCAGGCAGCA ATGTGTCTGCGCAGGCCCGGCCAGTCATCTTCGATCAACCTGGCAGCCTCCCCAGCAG CAGCCCAGCTTCTCAACCGGGCCAGAGTGTNGACTCTGCAGCAGCCTCAGGCATCGCTC AGCAGGCTGTGCTTTGGCAACACGTCTTTCCAGCCCTGACTGGCAGCCAAGCACAGA TGTTTCTGAAGGCCAGATGGTAACAGACTTGACCTNCGGACACAGCAAACACCAGCGG CAGCAGGCTTGGGCCCCACCCCA
Restriction Sites:	NotI-NotI
ACCN:	AJ242730
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:	<u>AJ242730.1</u> , <u>CAB44779.1</u>
RefSeq Size:	892 bp
RefSeq ORF:	892 bp
Locus ID:	1912
Cytogenetics:	1p35.1

Gene Summary:

In *Drosophila melanogaster*, 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 *Drosophila* 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]