

## Product datasheet for **SC312367**

### PHC3 (AK023029) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHC3 (AK023029) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHC3
Synonyms:	EDR3; HPH3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK023029, the custom clone sequence may differ by one or more nucleotides ATGGATACTGAACCAAACCCGGGAACATCTTCTGTGTCAACAACAACCAGCAGTACCACC ACCACCACCATCACCCTTCTCTCGAATGCAGCAGCCACAGATCTCTGTCTACAGT GGTTCAGACCGACATGCTGTACAGGCATTGCATCGGCCCCAGCTCAGCTGCTCAGTAC CTTCAGCAAATGTATGCAGCCCAACAACAGCACTTGATGCTGCATACTGCAGCTTTCAG CAGCAGCATTTAAGCAGCTCCCAGCTTCAGAGCCTTGCTGCTGTTCAGGCAAGTTTGTC AGCGGAAGACCATCTACATCTCCACAGGAAGTGCACACAGCAGTCAAGTATGTCCAA ACGTCTATCAACCTCTCCACTTCTCTACACCTGCACAGTTAATAAGCCGTTCCAGGCT TCCAGTTCTACCAGCGGAGTATTACCCAACAGACTATGTTACTAGGGAGTACTCCCT ACCCTAACGGCAAGCCAAGCTCAAATGTATCTCCGAGCTCAAATGGTAAGATATGAGCTA CCAAATTTTTTTCAGTGTT
Restriction Sites:	Please inquire
ACCN:	AK023029
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).



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**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:** [AK023029.1](#), [BAB14365.1](#)

**RefSeq Size:** 2427 bp

**RefSeq ORF:** 2427 bp

**Locus ID:** 80012

**Cytogenetics:** 3q26.2

**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.[UniProtKB/Swiss-Prot Function]