OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC222815

Phc3 (NM_001165956) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phc3 (NM_001165956) 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)

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Fully Sequenced ORF:

>MC222815 representing NM_001165956
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAAGCGGAGTTTAAGGACCACAGCACAGCTATGGATAGTGAGCCGAGCTCTGGAACATCCGTGT
CAACAACAGCCAGCAGTACCACCACCACCACCATCACCACATCCTCCTCCCGAATGCAGCAGCCACAGAT
CTCTGTCTACAGCGGGTCAGACCGACATGCTGTTCAGGTAATTCAGCAGGCCTTGCATCGGCCCCCCAGC
TCGGCAGCTCAGTACCTGCAGCAGATGTACGCGGCTCAGCAGCAGCACCTGATGCTGCACACGGCTGCTC
TGCAGCAGCAGCACCTAAGCAGCTCGCAGCTCCAGAGCCTTGCGGCTGTCCAGGCAAGTTTGTCCAGTGG
AAGACCATCTACATCCCCCACAGGCAGTGTTACACAACAGTCAAGTATGTCCCAGACATCTATCCTGTCC
GCTTCTCCTGCACCTGCTCAGCTGATGAACCGCTCCCAGACGTCCAGTTCTACCAGCGGCAGTATTACCC
AGCAGACTATGCTACTCGGGAGTACCTCTCCCACCCTAACTGCCAGCCAAGCCCAGATGTATCTCCGAGC
TCAGATGCTGATTTTCACACCTGCTACCACTGTGGCTGCTGTACAGTCTGACATCCCTGTTGTCTCGTCG
TCACCGTCACCTTCCTGTCAGTCTGCAGCTGCTCAGGTTCAGAATTTAACCTTACGCAGCCAGAAGCTGG
GTGTCTTATCTAGCTCACAGAATGGCTCACCAAAAAGCGCTGGTCAAACCCAGTCCTTGACAATTTGCCA
TAATAAAACAACAGTGACCAGTTCTAAAATCAGCCAACGAGACCCTTCTCCAGAGAGCAAGAAGGGAGGA
AGCCCAGGTCTGGAATCTCGGAGCACGGCCGTCACTCGGACATCAAGCATCCACCAGTTAATAGCACCAG
CTTCATATTCTCCAATTCAGCCTCATTCTCTAATCAAACATCAGCAGATTCCTCTTCATTCACCACCTCC
TAAAGTTTCCCATCATCAGCTGCTATTACAACAGCAACAACAGCAAATTCAGCCAATCACCCTTCAGAGT
CCAAGTCAAGATCCACCCCCATCCCAGCACTGTATCCCACTCCCAAACCATGGCCTTTCTCCGGCTCCCA
GTAATGCCCAGCCGCAGCATTGCTCCCCAGTTCAGAGCCATCCTCCGCCTTTAACTGTGTCTCCCAACCA
GGCACAGTCCGCACAGCAGTCTGTAGTGGTGTCTCCTCCCCCCCCTCATTCCCCAAGTCAGTCTCCTACT
ATAATTATCCATCCACAAGCACTTATCCAGCCACACCCTCTTGTGTCTTCAGCTCTTCAAACAGGGCCAA
ATTTGCAGCAGATGGTGTCCCCAACATCACACCAGCAGTATTCAGCCCTACAGTCCTCTCCAATTCCCAT
CGCGACCCCTCCACAGATGTCGGCATCTCCTCCAGCTCAGCTCCCACCACTGCCCTTGCAGTCTATGCAG
TCTTTACAAGTGCAGCCTGAAATTCTATCCCAGGGCCAGGTTTTGGTGCAGAATGCTTTGGTGTCAGAAG
AGGAGCTACCTGCTGCAGAAGCTTTGGTCCAGTTGCCATTTCAGACTCTTCCTCCTCCACAGACTGTTGC
GGTAAATCTACAAGTACAGCCGCCAGCACCTGTTGATCCACCAGTGGTTTATCAAGTAGAAGATGTGTGT
GAGGAAGAAATGCCAGAGGAGTCCGATGAGTGTGCAAGGATGGACAGAACCCCCCCACCCCCCACCTTGT
CTCCAGCAGCTGTCACTGTGGGGAGGGGAGAGGACTTGACATCCGAACATCCTTTGTTAGAGCAAGTGGA
GTTGCCTGCTGTGGCCTCAGTCAGTGCTTCCGTGATCAAGTCTCCATCAGACCCCACCCATGCCTCTGCT
CCTGCACCTCCCCTCTTAATCCCTGCTGCCTCCACCAGGAGCAGCAGCACTTCTCTGGCCAGCAGCACTC
CCAGCCTGGAAAACAAGCCTCCACAGGCTATTGTGAAACCACAGATTTTGACCCACGTTATAGAAGGCTT
TGTGATTCAGGAGGGGCTGGAGCCGTTTCCTGTGAGTCGATCATCACTGCTGATAGAACAACCTGTGAAG
AAGAGGCCTCTCTTGGATAATCAGGTGGTAAACTCTGTGTGTGTCCAGCCAGAGTTACAGAATAACACAA
AGCATGCAGATAACTCATCCGACACAGAGATAGAAGACATGATGGCTGAAGAGACATTGGAAGAAATGGA
TAGCGAGTTACTCAAGTGTGAATTCTGTGGAAAAATGGGATATCCTAATGAATTTTTACGGTCCAAACGA
TTCTGTACTATGTCATGTGCCAAAAGGTACAACGTTAGCTGTTCTAAAAAATTTGCACTTAGTCGTTGGA
ATCGTAAGCCTGATAATCAGAGTCTTGGGCATCGGGGCCGTCGTCCAAGTGGCCCTGAAGGGGCAGCAAG
AGAACATATCCTTAGGCAGCTTCCAATTACTTATCCATCTGCAGAAGAAGACGTGGCCTCTCATGAAGAT
CCTGTGCCTTCTGCTATGACGACCCGTCTGCGAAGGCAGAGCGAGCGGGAAAGAGAGCGAGAGCTTCGGG
ATGTGAGGATTAGGAAGATGCCTGAGAATAGTGACTTGCTCCCAGTCGCACAGACTGAGCCCTCCATATG
GACAGTCGACGACGTCTGGGCCTTCATCCATTCTTTGCCCGGCTGCCAGGACGTTGCAGATGAGTTCAGG
GCACAAGAGATTGATGGGCAGGCCCTGCTCTTGCTAAAAGAAGACCATCTCATGAGTGCAATGAACATGA
AGCTGGGCCCAGCCCTGAAGATTTGTGCACGCATCAACTCTCTGAAGGACTCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

ACCN:	NM_001165956
Insert Size:	2856 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_001165956.1, NP_001159428.1
RefSeq Size:	10925 bp
RefSeq ORF:	2856 bp
Locus ID:	241915
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 (4) lacks an alternate in-frame segment in the central coding region, compared to variant 1, resulting in an isoform (4) that is shorter than 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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US