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Product datasheet for MC222814

Phc3 (NM_001165955) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phc3 (NM_001165955) 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)

Fully Sequenced ORF:

>MC222814 representing NM_001165955
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATAGTGAGCCGAGCTCTGGAACATCCGTGTCAACAACAGCCAGCAGTACCACCACCACCACCATCA
CCACATCCTCCTCCCGAATGCAGCAGCCACAGATCTCTGTCTACAGCGGGTCAGACCGACATGCTGTTCA
GGTAATTCAGCAGGCCTTGCATCGGCCCCCCAGCTCGGCAGCTCAGTACCTGCAGCAGATGTACGCGGCT
CAGCAGCAGCACCTGATGCTGCACACGGCTGCTCTGCAGCAGCAGCACCTAAGCAGCTCGCAGCTCCAGA
GCCTTGCGGCTGTCCAGGCAAGTTTGTCCAGTGGAAGACCATCTACATCCCCCACAGGCAGTGTTACACA
ACAGTCAAGTATGTCCCAGACATCTATCCTGTCCGCTTCTCCTGCACCTGCTCAGCTGATGAACCGCTCC
CAGACGTCCAGTTCTACCAGCGGCAGTATTACCCAGCAGACTATGCTACTCGGGAGTACCTCTCCCACCC
TAACTGCCAGCCAAGCCCAGATGTATCTCCGAGCTCAGATGGTTCAGAATTTAACCTTACGCAGCCAGAA
GCTGGGTGTCTTATCTAGCTCACAGAATGGCTCACCAAAAAGCGCTGGTCAAACCCAGTCCTTGACAATT
TGCCATAATAAAACAACAGTGACCAGTTCTAAAATCAGCCAACGAGACCCTTCTCCAGAGAGCAAGAAGG
GAGGAAGCCCAGGTCTGGAATCTCGGAGCACGGCCGTCACTCGGACATCAAGCATCCACCAGTTAATAGC
ACCAGCTTCATATTCTCCAATTCAGCCTCATTCTCTAATCAAACATCAGCAGATTCCTCTTCATTCACCA
CCTCCTAAAGTTTCCCATCATCAGCTGCTATTACAACAGCAACAACAGCAAATTCAGCCAATCACCCTTC
AGAGTCCAAGTCAAGATCCACCCCCATCCCAGCACTGTATCCCACTCCCAAACCATGGCCTTTCTCCGGC
TCCCAGTAATGCCCAGCCGCAGCATTGCTCCCCAGTTCAGAGCCATCCTCCGCCTTTAACTGTGTCTCCC
AACCAGGCACAGTCCGCACAGCAGTCTGTAGTGGTGTCTCCTCCCCCCCCTCATTCCCCAAGTCAGTCTC
CTACTATAATTATCCATCCACAAGCACTTATCCAGCCACACCCTCTTGTGTCTTCAGCTCTTCAAACAGG
GCCAAATTTGCAGCAGGCTGCTGCTGATCAGGTACAGTCCACCGCACAGCTGAATCTTCCATCCCATCTT
CCACTTCCAGCATCCCCTGTTGTACACATTGGCCCTGTCCAGCAGTCTGCCTTGGTGTCCCCTGGTCAGC
AGATGGTGTCCCCAACATCACACCAGCAGTATTCAGCCCTACAGTCCTCTCCAATTCCCATCGCGACCCC
TCCACAGATGTCGGCATCTCCTCCAGCTCAGCTCCCACCACTGCCCTTGCAGTCTATGCAGTCTTTACAA
GTGCAGCCTGAAATTCTATCCCAGGGCCAGGTTTTGGTGCAGAATGCTTTGGTGTCAGAAGAGGAGCTAC
CTGCTGCAGAAGCTTTGGTCCAGTTGCCATTTCAGACTCTTCCTCCTCCACAGACTGTTGCGGTAAATCT
ACAAGTACAGCCGCCAGCACCTGTTGATCCACCAGTGGTTTATCAAGTAGAAGATGTGTGTGAGGAAGAA
ATGCCAGAGGAGTCCGATGAGTGTGCAAGGATGGACAGAACCCCCCCACCCCCCACCTTGTCTCCAGCAG
CTGTCACTGTGGGGAGGGGAGAGGACTTGACATCCGAACATCCTTTGTTAGAGCAAGTGGAGTTGCCTGC
TGTGGCCTCAGTCAGTGCTTCCGTGATCAAGTCTCCATCAGACCCCACCCATGCCTCTGCTCCTGCACCT
CCCCTCTTAATCCCTGCTGCCTCCACCAGGAGCAGCAGCACTTCTCTGGCCAGCAGCACTCCCAGCCTGG
AAAACAAGCCTCCACAGGCTATTGTGAAACCACAGATTTTGACCCACGTTATAGAAGGCTTTGTGATTCA
GGAGGGGCTGGAGCCGTTTCCTGTGAGTCGATCATCACTGCTGATAGAACAACCTGTGAAGAAGAGGCCT
CTCTTGGATAATCAGGTGGTAAACTCTGTGTGTGTCCAGCCAGAGTTACAGAATAACACAAAGCATGCAG
ATAACTCATCCGACACAGAGATAGAAGACATGATGGCTGAAGAGACATTGGAAGAAATGGATAGCGAGTT
ACTCAAGTGTGAATTCTGTGGAAAAATGGGATATCCTAATGAATTTTTACGGTCCAAACGATTCTGTACT
ATGTCATGTGCCAAAAGGTACAACGTTAGCTGTTCTAAAAAATTTGCACTTAGTCGTTGGAATCGTAAGC
CTGATAATCAGAGTCTTGGGCATCGGGGCCGTCGTCCAAGTGGCCCTGAAGGGGCAGCAAGAGAACATAT
CCTTAGGCAGCTTCCAATTACTTATCCATCTGCAGAAGAAGACGTGGCCTCTCATGAAGATCCTGTGCCT
TCTGCTATGACGACCCGTCTGCGAAGGCAGAGCGAGCGGGAAAGAGAGCGAGAGCTTCGGGATGTGAGGA
TTAGGAAGATGCCTGAGAATAGTGACTTGCTCCCAGTCGCACAGACTGAGCCCTCCATATGGACAGTCGA
CGACGTCTGGGCCTTCATCCATTCTTTGCCCGGCTGCCAGGACGTTGCAGATGAGTTCAGGGCACAAGAG
ATTGATGGGCAGGCCCTGCTCTTGCTAAAAGAAGACCATCTCATGAGTGCAATGAACATGAAGCTGGGCC
CAGCCCTGAAGATTTGTGCACGCATCAACTCTCTGAAGGACTCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001165955
Insert Size:	2847 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_001165955.1, NP_001159427.1
RefSeq Size:	10967 bp
RefSeq ORF:	2847 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 (3) differs in the 5' UTR, uses a downstream translational start codon, and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) 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.