

Product datasheet for **MG216191**

Phc3 (NM_153421) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phc3 (NM_153421) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Phc3
Synonyms:	E030046K01Rik; Edr3; Hph3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG216191 representing NM_153421
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATAGTGAGCCGAGCTCTGGAACATCCGTGTCAACAACAGCCAGCAGTACCACCACCACCACCATCA
 CCACATCCTCCTCCGAATGCAGCAGCCACAGATCTCTGTCTACAGCGGGTACAGCCGACATGCTGTTC
 GGTAATTCAGCAGGCCTTGCATCGGCCCCAGCTCGGCAGCTCAGTACCTGCAGCAGATGTACGGGCT
 CAGCAGCAGCACCTGATGCTGCACACGGCTGCTCTGCAGCAGCAGCACCTAAGCAGCTCGCAGCTCCAGA
 GCCTTGCGGCTGTCCAGGCAAGTTGTCCAGTGGAAAGACCATCTACATCCCCACAGGCAGTGTTACACA
 ACAGTCAAGTATGTCCAGACATCTATCCTGTCCGCTTCTCCTGCACCTGCTCAGCTGATGAACCGCTCC
 CAGACGTCAGTCTACCAGCGCAGTATTACCCAGCAGACTATGCTACTCGGGAGTACCTCTCCACCC
 TAACTGCCAGCCAAGCCAGATGTATCTCCGAGCTCAGATGCTGATTTTACACCTGCTACCACTGTGGC
 TGCTGTACAGTCTGACATCCCTGTGTCTCGTCTCACCGTACCTTCTGTGCTGAGTCTGCAGCTGCTCAG
 GTTCAGAAATTAACCTTACGCAGCCAGAAGCTGGGTGTCTTATCTAGCTACAGAATGGCTACCAAAAA
 GCGCTGGTCAAACCCAGTCTTGACAATTTGCCATAATAAAACAACAGTACCAGTTCTAAAATCAGCCA
 ACGAGACCCTTCTCCAGAGAGCAAGAAGGGAGGAAGCCAGGTCTGGAATCTCGGAGCACGGCGTCACT
 CGGACATCAAGCATCCACCAGTTAATAGCACCAGCTTCATATTCTCCAATTCAGCCTCATTCTCTAATCA
 AACATCAGCAGATTCCTTTCATTCACCACCTCTAAAGTTTCCCATCATCAGCTGCTATTACAACAGCA
 ACAACAGCAAATTCAGCCAATCACCTTCAGAGTCCAAGTCAAGATCCACCCCATCCAGCACTGTATC
 CCACTCCCAACCATGGCCTTTCTCCGGCTCCAGTAAAGTCCAGCCAGCAGCAGTGTGCTCCAGTTCAGA
 GCCACTCCCGCCTTAACTGTGTCTCCCAACCCAGGCACAGTCCGCACAGCAGTGTGATGGTGTCTCC
 TCCCCCTCATTCCCCAAGTCACTCTCTACTATAATTATCCATCCACAAGCACTTATCCAGCCACAC
 CCTCTGTGTCTCAGCTCTTCAAACAGGGCAAATTTGCAGCAGGCTGCTGCTGATCAGGTACAGTCCA
 CCGCACAGCTGAATCTTCCATCCCATCTTCCACTTCCAGCATCCCCTGTTGTACACATTGGCCCTGTCCA
 GCAGTCTGCCTTGGTGTCCCTGGTCCAGAGTGGTGTCCCAACATCACACCAGCAGTATTAGCCCTA
 CAGTCTCTCCAATTCATCGCAGCCCTCCACAGATGTCCGATCTCCTCCAGCTCAGCTCCACCCAC
 TGCCCTTGCACTATGCAGTCTTACAAGTGCAGCCTGAAATTCATCCAGGGCCAGGTTTTGGTGCA
 GAATGCTTTGGTGTGAGAAGAGGAGTACCTGCTGCAGAAGCTTTGGTCCAGTTGCCATTCAGACTCTT
 CCTCTCCACAGACTGTTGCGGTAATCTACAAGTACAGCCGCCAGCACCTGTTGATCCACCAGTGGTTT
 ATCAAGTAGAAGATGTGTGTGAGGAAGAAATGCCAGAGGAGTCCGATGAGTGTGCAAGGATGGACAGAAC
 CCCCCACCCCCACCTTGTCTCCAGCAGCTGTACTGTGGGGAGGGGAGAGGACTTGACATCCGAACAT
 CCTTTGTAGAGCAAGTGGAGTTGCCTGCTGTGGCCTCAGTCACTGCTTCCGTGATCAAGTCTCCATCAG
 ACCCCACCCATGCCTCTGCTCCTGCACCTCCCCTCTTAATCCCTGCTGCCTCCACCAGGAGCAGCAGCAC
 TTCTCTGGCCAGCAGCACTCCAGCCTGGAAAACAAGCCTCCACAGGCTATTGTGAAACCACAGATTTTG
 ACCCACGTTATAGAAGGCTTTGTGATTACAGGAGGGGCTGGAGCCGTTTCTGTGAGTCGATCACTACTGC
 TGATAGAACAACCTGTGAAGAAGAGGCCCTCTTGGATAATCAGGTGGTAAACTGTGTGTGTCCAGCC
 AGAGTTACAGAATAACACAAAGCATGCAGATAACTCATCCGACACAGAGATAGAAGACATGATGGTGAA
 GAGACATTGGAAGAAATGGATAGCGAGTTACTCAAGTGTGAATCTGTGGAAAAATGGGATATCCTAATG
 AATTTTTACGGTCCAAACGATTCTGTAATATGTATGTGCCAAAAGGTACAACGTTAGCTGTTCTAAAAA
 ATTTGCACTTAGTCGTTGGAATCGTAAGCCTGATAATCAGAGTCTTGGGCATCGGGCCGCTCGTCCAAGT
 GGCCCTGAAGGGGAGCAAGAGAACATATCCTTAGGCAGCTTCCAATTACTTATCCATCTGCAGAAGAAG
 ACGTGGCCTCTCATGAAGATCCTGTGCCTTCTGCTATGACGACCCGCTGCGAAGGCAGAGCAGCGGGA
 AAGAGAGCAGAGCTTCGGGATGTGAGGATTAGGAAGTGCCTGAGAATAGTGACTTGTCTCCAGTCGCA
 CAGACTGAGCCCTCCATATGGACAGTCGACGACGCTCTGGGCTTCCATCCATTCTTTGCCCGCTGCCAGG
 ACGTTGCAGATGAGTTCAGGGCACAAGAGATTGATGGGCAGGCCCTGCTCTTGTAAAAGAGACCATCT
 CATGAGTGCAATGAACATGAAGCTGGGCCAGCCCTGAAGATTTGTGCACGCATCAACTCTCTGAAGGAC
 TCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216191 representing NM_153421
 Red=Cloning site Green=Tags(s)

MDSEPSSGTSVSTTASSTTTTTITSSSRMQQPQISVYSGSDRHAVQVIQQALHRPPSSAAQYLQQMYAA
 QQQHLMLHTAALQQHLSSSQLQSLAAVQASLSSGRPSTPTGSVTTQSSMSQTSILSASPAPQLMNRS
 QTSSSTSGSITQQTMLLGSTSPTLTASQAQMYLRAQMLIFTPATTVAAVQSDIPVVSSSPSPCQSAQAQ
 VQNLTLRSQKLGVLSSSQNGSPKSAGQTQSLTICHNKTTVTSSKISQRDPSPESKKGSGLESRSTAVT
 RTSSIHQLIAPASYSPIQPHSLIKHQIPLHSPPPKVSHHQLLLQQQQQIQPITLQSPSQDPPPSQHCI
 PLPNHGLSPAPNAQPQHCSPVQSHPPPLTVSPNQAQSAQQSVVVSPPPHSPSQSPTIIHPQALIQPH
 PLYSSALQTGNLQAAAADQVQSTAQLNLPShLPLPASPVVHIGPVQQSALVSPGQMVSPSTSHQQYSAL
 QSSPIPIATPPQMSASPPAQLPPLPLQSMQSLQVQPEILSQGQVLVQNALVSEELPAEALVQLPFQTL
 PPPQTVAVNLQVQPPAPVDPPVVYQVEDVCEEEMPEESDECARMDRTPPPPTLSPAAVTVGRGDLTSEH
 PLLEQVELPAVASVSASVIKSPSDPTHASAPAPLLIPAASTRSSSTSLASSTPSLENKPPQAIVKPQIL
 THVIEGFVIQEGLEPPVSRSSLLIEQPVKKRPLLDNQVVNSVCVQPELQNNTKHADNSSDTEIEDMMAE
 ETLEEMSELLKCEFCGKMGYPNEFLRSKRFCMSCAKRYNVSCSKKFALSRWNRKPDNQSLGHRGRRPS
 GPEGAAREHILRQLPITYPSAEEDVASHEDVPVPSAMTTLRRQSERERERELRDVRIKMPENSDLLPVA
 QTEPSIWTVDVWAFIHSLPGCQDVADEFRAQEDGQALLLLKEDHLSAMNMKLGPAKICARINSLKDS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

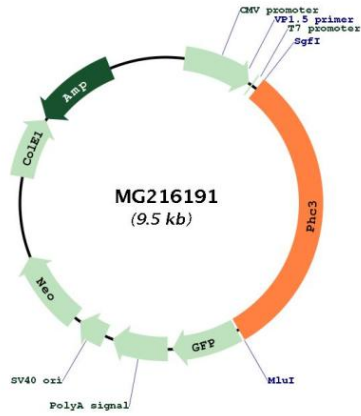


ACCN: NM_153421

ORF Size: 2943 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_153421.2 , NP_700470.2
RefSeq Size:	11066 bp
RefSeq ORF:	2946 bp
Locus ID:	241915
UniProt ID:	Q8CHP6
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]

Product images:



Circular map for MG216191