

Product datasheet for **MG216206**

Phc3 (NM_001165955) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MG216206 representing NM_001165955
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATAGTGAGCCGAGCTCTGGAACATCCGTGTCAACAACAGCCAGCAGTACCACCACCACCACCATCA
 CCACATCCTCCTCCGAATGCAGCAGCCACAGATCTCTGTCTACAGCGGGTCAGACCACATGCTGTTC
 GGTAATTCAGCAGGCCTTGCATCGGCCCCAGCTCGGCAGCTCAGTACCTGCAGCAGATGTACGCGGT
 CAGCAGCAGCACCTGATGCTGCACACGGCTGCTCTGCAGCAGCAGCACCTAAGCAGCTCGCAGCTCCAGA
 GCCTTGCGGTGTCCAGGCAAGTTGTCCAGTGGAAAGACCATCTACATCCCCACAGGCAGTGTTACACA
 ACAGTCAAGTATGCCAGACATCTATCCTGTCCGCTTCTCTGCACCTGCTCAGCTGATGAACCGCTCC
 CAGACGTCAGTTCTACCAGCGCAGTATTACCCAGCAGACTATGCTACTCGGGAGTACCTCTCCACCC
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 GCTGGGTGCTTATCTAGCTCACAGAATGGCTCACAAAAAGCGCTGGTCAAACCCAGTCCCTTGACAATT
 TGCCATAATAAAAACAACAGTGACCAGTTCTAAAAATCAGCCAACGAGACCTTCTCCAGAGAGCAAGAAGG
 GAGGAAGCCCAGGTCTGGAATCTCGGAGCACGGCCGCTACTCGGACATCAAGCATCCACCAGTAAATAGC
 ACCAGTTCATATTCTCAATTCAGCCTCATTCTTAATCAAACATCAGCAGATTCTTCTTATTACCA
 CCTCTAAAGTTTCCCATCATCAGCTGCTATTACAACAGCAACAACAGCAAATTCAGCCAATCACCTTC
 AGAGTCCAAGTCAAGATCCACCCCATCCAGCACTGTATCCACTCCAAACCATGGCCTTTCTCCGGC
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 AACAGGCACAGTCCGCACAGCAGTCTGTAGTGGTGTCTCTCCCCCCCCTATTCCCAAGTCAAGTCTC
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 GCCAAATTTGCAGCAGGCTGCTGCTGATCAGGTACAGTCCACCGCACAGCTGAATCTTCCATCCCATCTT
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 CGACGCTGGGCCTTATCCATTCTTGGCCGGCTGCCAGGACGTTGCAGATGAGTTCAGGGCACAAGAG
 ATTGATGGGCAGGCCCTGCTCTTGCTAAAAGAAGACCATCTCATGAGTGAATGAACATGAAGCTGGGCC
 CAGCCCTGAAGATTTGTGCAGCATCAACTCTCTGAAGGACTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216206 representing NM_001165955
 Red=Cloning site Green=Tags(s)

MDSEPSSGTSVSTTASSTTTTTITSSSRMQQPQISVYSGSDRHAVQVIQQALHRPPSSAAQYLQQMYAA
 QQQHLMLHTAALQQQHLSSSQLQSLAAVQASLSSGRPSTPTGVSVTQQSSMSQTSILSASPAPQLMNRS
 QTSSTSGSITQQTMLLGSTSPTLTASQAQMYLRAQMVQNLTLRSQKLGVLSSSQNGSPKSAGQTSQSLTI
 CHNKTTVTSSKISQRDPSPESKKGSGPLESRSTAVTRTSSIHQLIAPASYSPIQPHSLIKHQIPLHSP
 PPKVSHHQLLLQQQQQIQPITLQSPSQDPPPSQHCIPLPNHGLSPAPSNAPQHCHSPVQSHPPPLTVSP
 NQAQSAQQSVVVSPPPHSPSQSPTII IHPQALIQPHPLVSSALQTGPNLQAAAADQVQSTAQNLNLP
 SHLPLPASPVVHIGPVQQSALVSPGQQMVSPTSHQYQSALQSSPIPIATPPQMSASPPAQLPPLPLQSMQSLQ
 VQPEILSQGQVLVQNALVSEELPAEALVQLPFQTLPPPQTAVAVNLQVQPPAPVDPPVVYQVEDVCEEE
 MPEESDECARMDRTPPPPTLSPAAVTVGRGEDLTSEHPLLEQVELPAVASVSASVIKSPSDPTHASAPAP
 PLLIPAASTRSSSTSLASSTPSLENKPPQAIKPKQILTHVIEGFVIQEGLEFPFVSRSSLLIEQPVKKRP
 LLDNQVNSVCVQPELQNNTKHADNSSDTEIEDMMAEETLEEMSELLKCEFCGKMGYPNEFLRSKRFCT
 MSCAKRYNVSCSKKFFALSRWNRKPDNQLGHRGRRPSGPEGAAREHILRQLPITYPSAEEDVASHEDPVP
 SAMTTRLRRQSERERERELRDVIRKMPENDLLPVAQTEPSIWTVDDVWAFIHSLPGCQDVADEFRAQE
 IDGQALLLLKEDHLMSAMNMKLGPAKICARINSLKDS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

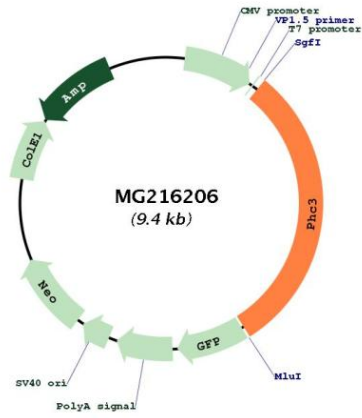


ACCN: NM_001165955

ORF Size: 2844 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_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]

Product images:



Circular map for MG216206