

Product datasheet for **RG217729**

PHC3 (NM_024947) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHC3 (NM_024947) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHC3
Synonyms:	EDR3; HPH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG217729 representing NM_024947
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAAGCGGAATTTAAGGACCATAGTACAGCTATGGATACTGAACCAAACCCGGGAACATCTTCTG
 TGCAACAACAACCAGCAGTACCACCACCACCACCATCACCATTCTCTCTCGAATGCAGCAGCCACA
 GATCTCTGTCTACAGTGGTTACAGCCGACATGCTGTACAGGTAATTCAACAGGCATTGCATCGGCCCCCC
 AGCTCAGCTGCTCAGTACCTTCAGCAAATGTATGCAGCCCAACAACAGCACTTGTGCTGCATACTGCAG
 CTCTTCAGCAGCAGCATTAAAGCAGCTCCAGCTTCAGAGCCTTGCTGCTGTTACAGGCAAGTTTGTCCAG
 TGGAAAGACCATCTACATCTCCACAGGAAGTGTACACAGCAGTCAAGTATGTCCCAAACGTCTATCAAC
 CTCTCCACTTCTCTACACTGCACAGTAAATAAGCCGTTCCAGGCTTCCAGTTCTACCAGCGGCAGTA
 TTACCCAAACAGACTATGTTACTAGGGAGTACTTCCCCTACCCTAACGGCAAGCCAAGCTCAAATGTATCT
 CCGAGCTCAAATGCTGATTTTACACCCGCTACCAGTGTGGCTGTGTACAGTCTGACATTCCTGTTGTC
 TCGTTCGTATCGTCATCTTCTGTGAGTCTGCAGTACTCAGGTTCAGAAATTAACATTACGCAGCCAGA
 AGTTGGGTGATTATCTAGCTCACAGAATGGTCCACAAAAAGCACTAGTCAAACCTCAGTCAATTGACAAT
 TTGTATAAACAACAACAGTGACCAGTTCTAAAATCAGCCAACGAGATCCTTCTCCAGAAAAGTAATAAG
 AAAGGAGAGAGCCCAAGCCTGGAATCACGAAGCACAGTGTACCCCGGACATCAAGTATTCACCAGTTAA
 TAGCACCAGCTTCATATCTCCAATTACGCTCATTCTCTAATAAAAACATCAGCAGATTCCTCTTTCATTC
 ACCACTTCCAAAGTTTCCCATCATCAGCTGATTTACAACAGCAGCAACAGCAAATTCAGCCAATCACA
 CTTCAGAATCAACTCAAGACCCACCCCATCCAGCACTGTATCCACTCCAGAACCATGGCCTTCCCTC
 CAGCTCCAGTAATGCCAGTCACAGATTGTTACCCGATTACAGAGTCACTCCCTTCAACGTTGTC
 TCCTAATCAGTCACAGTCAGCACAGCAGTCTGTAGTGGTGTCTCCTCCACCACCTATTCACCAAGTCAG
 TCTCTACTATAATTATTCATCCACAAGCACTTATTCAGCCACACCCTTGTGTGATCAGCTCTCCAGC
 CAGGGCCAAATTTGCAGCAGTCCACTGCTAATCAGGTGCAAGCTACAGCACAGTTGAATCTTCCATCCCA
 TCTTCCACTTCCAGCTTCCCTGTTGTACACATTGGCCAGTTCAGCAGTCTGCCTTGGTATCCCCAGGC
 CAGCAGATTGTCTCTCCATCACACCAGCAATATTCATCCCTGCAGTCTCTCCAATCCCAATTGCAAGTC
 CTCCACAGATGTCGACATCTCCTCCAGCTCAGATTCCACCAGTCCCTTGCAGTCTATGCAGTCTTTACA
 AGTGCAGCCTGAAATTCTGTCCAGGGCCAGTTTTGGTGCAGAATGCTTTGGTGTGAGAAGGAACTT
 CCAGCTGCAGAAGCTTTGGTCCAGTTGCCATTTACAGACTTCTCCTCCACAGACTGTTGCGGTAACCC
 TACAAGTGAACACCAGCACCTGTTGATCCACCAGTGGTTTATCAGGTAGAAGATGTGTGTGAAGAAGA
 AATGCCAGAAGAGTCAGATGAATGTGTCGGATGGATAGAACCCACCACCACCCACTTTGTCTCCAGCA
 GCTATAACAGTGGGGAGAGGAGAAGATTTGACTTCTGAACATCCTTTGTTAGAGCAAGTGGAAATACCTG
 CTGTGGCATCAGTCAGTCTCAGTAATTAATCTCCATCAGATCCCTCATATGTTTCTGTTCCACCACC
 TCCATTGTTACTTCCAGCTGCCACCACAAGGAGTAACAGTACATCTATGCACAGTAGCATTCCCAGTATA
 GAGAACAACCTCCACAGGCTATTGTTAAACCACAGATCCTAACCATGTTATTGAAGGCTTTGTGATTC
 AGGAGGGATTGGAGCCATTTCTGTGAGTCGTTCTCTTTGCTAATAGAACAGCCTGTGAAAAACGGCC
 TCTTTTGGATAATCAGGTGATAAATTCAGTGTGTGTTACGCCAGAGCTACAGAATAATACAAAACATGCG
 GATAATTCATCTGACACAGAGATGGAAGACATGATTGCTGAAGAGACATTAGAAGAAATGGACAGTGAGT
 TGCTCAAGTGTGAATTCGTGGGAAAATGGGATATGCTAATGAATTTTTGCGGTCAAAACGATTCTGCAC
 TATGTCATGTGCCAAAAGGTACAATGTTAGCTGTTCTAAAAAATTTGCACTTAGTCGTTGGAATCGTAAG
 CCTGATAATCAAAGTCTTGGCATCGTGGCCGTCGTCGAAGTGGCCCTGATGGGGCAGCGAGAGAACATA
 TCCTTAGGCAGCTTCCAATTAATCTATCCATCTGCAGAAGAAGACTTGGCTTCTCATGAAGATTCTGTGCC
 ATCTGCTATGACAACTCGTCTGCGCAGGCAGAGCGAGCGGAAAGAGAACGTGAGCTTCGGGATGTGAGA
 ATTCGGAATAATGCCTGAGAACAGTGACTTGCTACCAGTTGCACAAACAGAGCCATCTATATGGACAGTTG
 ATGATGTCTGGGCTTCCATCTTTGCTGGCTGCCAGGATATCGCAGATGAATTCAGAGCACAGGA
 GATTGATGGACAGGCCCTTCTTTGCTGAAAGAAGACCATCTCATGAGTGAATGAATATCAAGCTAGGC
 CCAGCCCTGAAGATCTGTGCACGCATCAACTCTCTGAAGGAATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217729 representing NM_024947
 Red=Cloning site Green=Tags(s)

MAEAEFKDHSTAMDTEPNPGTSSVSTTTTSSTTTTITSSSRMQQPQISVYSGSDRHAVQVIQQALHRPP
 SSAAQYLQQMYAAQQQHLMLHTAALQQQHLSSSLQSLAAVQASLSSGRPSTPTGSVTQQSSMSQTSIN
 LSTSPTPAQLISRSQASSSTSGSITQQTMLLGGSTPTLTASQAQMYLRAQMLIFTPATTVAAVQSDIPVV
 SSSSSSCQSAATQVQNLTLRSQKLGVLSSSQNGPPKSTSQTQSLTICHNKTTVTSSKISQRDPSPESNK
 KGESPSLESRSTAVTRTSSIHQLIAPASYSPIQPHSLIKHQIPLHSPKSVSHHQLILQQQQQIQPIT
 LQNSTQDPPPSQHCIPLQNHGLPPAPSNAQSQCSPIQSHPSPLTVSPNQSAQQSVVVSPPPHPSQ
 SPTIIHQPALIQPHPLVSSALQPGPNLQQSTANQVQATAQLNLPShLPLPASPVVHIGPVQSSALVSPG
 QQIVSPSHQQYSSLQSSPIPIASPPQMSTSPPAQIPPLPLQSMQSLQVQPEILSQGQVLVQNALVSEEL
 PAAEALVQLPFQTLPPPQTVAVNLQVQPPAPVDPVPPVYQVEDVCEEEMPEESDECVRMDRTPPPPTLSPA
 AITVGRGEDLTSEHPLLEQVELPAVASVSASVIKSPSDPSHVSVPPLLLPAATTRSNSTSMHSSIPSI
 ENKPPQAIKPKQILTHVIEGFVIQEGLEFPVSRSSLLIEQPVKRPLLDNQVINSVCVQPELQNNTKHA
 DNSSDTEMEDIAEETLEEMSELLKCEFCKMGYANEFLLRSKRFCTMSCAKRYNVSCSKKFALSRWNRK
 PDNQSLGHRRRPSGPDGAAREHILRQLPITYPSAEEDLASHEDSVPSAMTTLRRQSERERERELRDVR
 IRKMPENDLLPVAQTEPSIWTVDVWAFIHSPLPGCQDIADEFRAQEIDGQALLLLKEDHLSAMNKLK
 PALKICARINSLKES

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

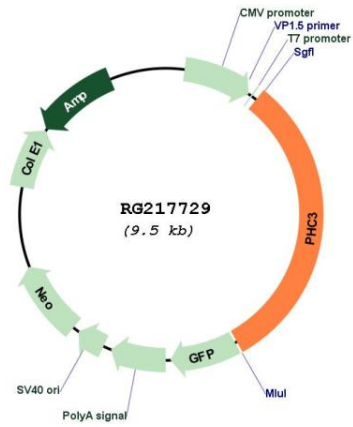


ACCN: NM_024947

ORF Size: 2985 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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_024947.4
RefSeq Size:	12687 bp
RefSeq ORF:	2988 bp
Locus ID:	80012
UniProt ID:	Q8NDX5
Cytogenetics:	3q26.2
Domains:	SAM
Gene Summary:	<p>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]</p>

Product images:



Circular map for RG217729