

Product datasheet for **RG212163**

HIC1 (NM_001098202) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIC1 (NM_001098202) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HIC1
Synonyms:	hic-1; ZBTB29; ZNF901
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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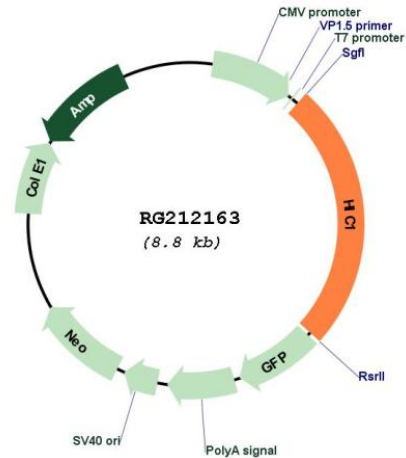
ORF Nucleotide Sequence:

>RG212163 representing NM_001098202
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTTTCTGAAGCGGACATTTTACTTAAATCGGGAGAGTGTGCTGGGCAGACGATGCTGGACACGA
 TGGAGGCGCCCGCCACTCCAGGCAGCTGCTGCTGCAGCTCAACAACCAGCGCACCAAGGGCTTCTTG
 CGACGTGATCATCGTGGTGCAGAACCCCTCTTCCGCGCGCACAAAGAACGTGCTGGCGGCCAGCAGCGCC
 TACCTCAAGTCCCTGGTGGTGCATGACAACCTGCTCAACCTGGACCATGACATGGTGAAGCCGGCGGT
 TCCGCCTGGTGTGACTTACCTACACCGGCCCTGGCTGACGGCGCAGAGGCGGCTGCGGCCGCGGC
 CGTGGCCCCGGGGCTGAGCCGAGCTGGGCGCCGTGCTGGCCGCGCCAGCTACCTGCAGATCCCCGAC
 CTCGTGGCGCTGTGAAGAAACGCCTCAAGCGCCACGGCAAGTACTGCCACCTGCGGGGCGCGCGCGGC
 GCGGGCGCGGCTACGCGCCCTATGGTCGGCCGGGCGGGGCTGCGGGCCGCCACGCCGGTATCCAGGC
 CTGCTACCCGTCCCAGTCGGGCTCCGCCGCGCCTGCCGCGGAGCCGCCCTCGGGCCAGAGGCGCGG
 GTCAACACGCACTGCGCCGAGCTGTACGCGTGGGACCCGGCCCGCCGCGCACTCTGTGCCTCGGAGC
 GCCGTGCTCCCCTCTTTGTGGCCTGGACCTGTCCAAGAAGAGCCCGCCGGGCTCCGCGCGCCAGAGCG
 GCCGTGGCTGAGCGCGAGCTGCCCCGCGCCCGGACAGCCCTCCAGCGCCGGCCCCGCGCCCTACAAG
 GAGCCGCCTCTCGCCCTGCCGTGCTGCCGCGCTGCCCTTCCAGAAGCTGGAGGAGGCCGACCCGCTT
 CCGACCCATTTCCGCGCGGCAGCGGCAGCCCGGACCCGAGCCCCCGCGCCCGCCGACGGGCTAGTCT
 CCTCTATCGCTGGATGAAGCAGGAGCCGGGCTGGGTAGCTATGGCGACGAGTGGGCGGGAGCGCGGC
 TCCCCAGCGAGCGCTGCGAAGAGCGTGGTGGGACGCGGCCGTCTCGCCGGGGGGCCCCGCTCGGCC
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 AGGGCTTCCCCAGCTCTGAGCAGCTGAACGCGCACGTGGAGGCTCACGTGGAGGAGGAGGAAGCGTGTA
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 GACAAGGTCGCCGGGCTCCGGTGGCCTGGGAGAGCTGCTGCGGCCCTACCGCTGCGCGTCTGCGACA
 AGAGCTACAAGGACCCGCGCCAGCTGCGGCAGCAGAGAAGACGCACTGGCTGACCCGGCCCTACCCATG
 CACCATCTCGGGGAAGAAGTTCACGCAGCGTGGGACCATGACGCGCCACATGCGCAGCCACCTGGGCCT
 AAGCCCTTCGCGTGCAGCGTGCAGCATGCGGTTACGCGCCAGTACCGCCTCACGGAGCACATGCGCA
 TCCACTCGGGCGAGAAGCCCTACGAGTGCCAGGTGTGCGGCGGAAGTTCGCACAGCAACGCAACCTCAT
 CAGCCACATGAAGATGCACGCCGTGGGGGGCGCGCCGGCGCGGGCGGCTGGCGGGCTTGGGGGGG
 CTCCCCGGCGTCCCCGGCCCCGACGGCAAGGGCAAGCTCGACTTCCCCGAGGGCGCTTTTGTGTGGCTC
 GCCTCACGGCCGAGCAGCTGAGCCTGAAGCAGCAGGACAAGGCGGCCGCGGCCGAGCTGTGGCGCAGAC
 CACGCACTTCTGCACGACCCCAAGGTGGCGCTGGAGAGCCTCTACCCGCTGGCCAAGTTCACGGCCGAG
 CTGGGCTCAGCCCCGACAAGGCGGCGAGGTGCTGAGCCAGGGCGCTCACCTGGCGGCCGGGCCGAGC
 GCCGGACCATCGACCGTTTCTCTCCACC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Plasmid Map:


ACCN: NM_001098202

ORF Size: 2199 bp

OTI Disclaimer: 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.

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:

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_001098202.1](#), [NP_001091672.1](#)

RefSeq Size: 3071 bp

RefSeq ORF: 2202 bp

Locus ID: 3090

UniProt ID: [Q14526](#)

Cytogenetics: 17p13.3

Gene Summary: This gene functions as a growth regulatory and tumor repressor gene. Hypermethylation or deletion of the region of this gene have been associated with tumors and the contiguous-gene syndrome, Miller-Dieker syndrome. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2010]