

Product datasheet for **RC212163**

HIC1 (NM_001098202) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIC1 (NM_001098202) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HIC1
Synonyms:	hic-1; ZBTB29; ZNF901
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC212163 representing NM_001098202
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTTTCTGAAGCGGACATTTTACTTAAATCGGGAGAGTGTGCTGGGCAGACGATGCTGGACACGA
 TGGAGGCGCCCGCCACTCCAGGCAGCTGCTGCTGCAGCTCAACAACCAGCGCACCAAGGGCTTCTTG
 CGACGTGATCATCGTGGTGCAGAACCCCTCTTCCGCGCGCACAAAGAACGTGCTGGCGGCCAGCAGCGCC
 TACCTCAAGTCCCTGGTGGTGCATGACAACCTGCTCAACCTGGACCATGACATGGTGAAGCCGGCGGT
 TCCGCCTGGTGTGACTTACCTACACCGGCCCTGGCTGACGGCGCAGAGGCGGCTGCGGCCGCGGC
 CGTGGCCCCGGGGCTGAGCCGAGCTGGGCGCCGTGCTGGCCGCGCCAGCTACCTGCAGATCCCCGAC
 CTCGTGGCGCTGTGAAGAAACGCCTCAAGCGCCACGGCAAGTACTGCCACCTGCGGGGCGCGCGGGC
 GCGGGCGCGGCTACGCGCCCTATGGTCGGCCGGGCGGGGCTGCGGGCCGCCACGCCGGTATCCAGGC
 CTGCTACCCGTCCCAGTCGGGCTCCGCCGCGCCTGCCGCGGAGCCGCCCTCGGGCCAGAGGCGCG
 GTCAACACGCACTGCGCCGAGCTGTACGCGTCGGGACCCGGCCCGCCGCGCACTCTGTGCCTCGGAGC
 GCCGTGCTCCCTCTTTGTGGCCTGGACCTGTCCAAGAAGAGCCCGCCGGGCTCCGCGCGCCAGAGCG
 GCCGTGGCTGAGCGCGAGCTGCCCCGCGCCCGGACAGCCCTCCAGCGCCGGCCCCGCGCCCTACAAG
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 CCGACCCATTTCCGCGCGGCAGCGGCAGCCGGGACCCGAGCCCCCGCGCCCGCCGACGGGCTAGTCT
 CCTCTATCGCTGGATGAAGCAGGAGCCGGGCTGGGTAGCTATGGCGACGAGTGGGCGGGAGCGCGGC
 TCCCCAGCGAGCGCTGCGAAGAGCGTGGTGGGACGCGGCCGTCTCGCCGGGGGGCCCCGCTCGGC
 TGGCGCCGCCCGCGCTACCTGGCAGCTGGACGGGCCGGCGGGCGGGCGGCGACGGCGACGACTACAA
 GAGCAGCAGCGAGGAGACCGGTAGCAGCGAGGACCCAGCCGCTGGCGGCCACCTCGAGGGCTACCCA
 TGCCCGCACCTGGCCTATGGCGAGCCGAGAGCTTCCGGTGAACCTGTACGTGTGCATTCCGTGCGGCA
 AGGGCTTCCCCAGCTCTGAGCAGCTGAACGCGCACGTGGAGGCTCACGTGGAGGAGGAGGAAAGCGTGTA
 CGGCAGGGCCGAGGCGCCGAAGTGGCCGCTGGGGCCGCGGCCCTAGGGCCCCCTTTGGAGGCGGGGG
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 AGAGCTACAAGGACCCGCGCCACGCTGCGGCAGCAGAGAAAGCAGCACTGGCTGACCCGGCCCTACCCATG
 CACCATCTCGGGAAAGAAGTTCACGCAGCGTGGGACCATGACGCGCCACATGCGCAGCCACCTGGGCCTC
 AAGCCCTTCGCGTGCAGCGCTGCGGCATGCGGTTACGCGCCAGTACCGCTCACGGAGCACATGCGCA
 TCCACTCGGGCGAGAAGCCCTACGAGTGCCAGGTGTGCGGCGGAAGTTCGCACAGCAACGCAACCTCAT
 CAGCCACATGAAGATGCACGCCGTGGGGGGCGCGCCGGCGCGGGCGGGGCGCTGGCGGGCTTGGGGGG
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 GCCTCACGGCCGAGCAGCTGAGCCTGAAGCAGCAGGACAAGGCGGCCGCGGCCGAGCTGTGGCGCAGAC
 CACGCACTTCTGCACGACCCCAAGGTGGCGCTGGAGAGCCTCTACCCGCTGGCCAAGTTCACGGCCGAG
 CTGGGCCCTAGCCCCGACAAGGCGGCCGAGGTGCTGAGCCAGGGCGCTCACCTGGCGGCCGGGCCGAGC
 GCCGGACCATCGACCGTTTCTCTCCACC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212163 representing NM_001098202
 Red=Cloning site Green=Tags(s)

MTFPEADILLKSGECAGQTM LDTMEAPGHSRQLLLQLNNQRTKGFLCDV IIVVQNALFRAHKNVLAASSA
 YLKSLVVDNLLNLDHDMVSPAVFRLV LDFIYTGRLADGAEAAAAA VAPGAEPSL GAVLAAASYLQIPD
 LVALCKRRLKRHGKYCHLRGGGGGGGYAPYGRPGRGLRAATPVIQACYPSPVGGPPPPAAEPPSGPEAA
 VNTHCAELYASGPGPAAALCASERRCSPLCGLDL SKKSPPGSAAPERPLAERELPPRPDSPPSAGPAAYK
 EPPLALPSL PPLPFQKLEEAAPP SDFFRGGSGSPGPEPPGRPDGPSLLYRWMKHEPGLGSYGD ELGRERG
 SP SERCEERGDAAVSPGGPPLGLAPPPRYPGSLDGP GAGGDGDDYKSSSEETGSSEDSPSGGHLEGYP
 CPHLAYGEPESFGDNL YVCIPCGKGFPSSEQLNAHVEAHVEEE EALYGRAEAAEVAAGAAGLGPFGGGG
 DKVAGAPGGLGELLRPYRCASCDKSYKDPATLRQHEKTHWL TRPYPCTICGKKFTQRGTMRHMRSHLGL
 KPFACDACGMRFTROYRL TEHMR IHSGEKPYECQVCGGKFAQQRNLI SHMKMHAVGGAAGAAGALAGLGG
 LPGVPGPDGKGKLD FPEGVFAVARL TAEQLSLKQQDKAAA ELLAQTT HFLHDPKVALES LYPLAKFTA E
 LGLSPDKAAEVL SQGAHLAAGPDGRTIDRF SPT

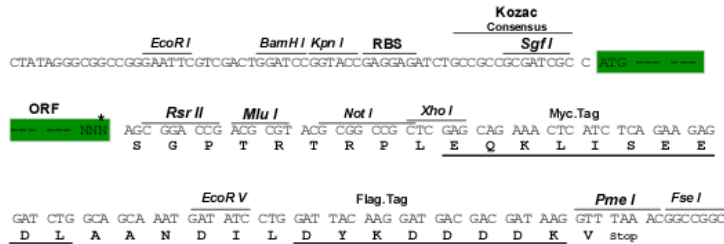
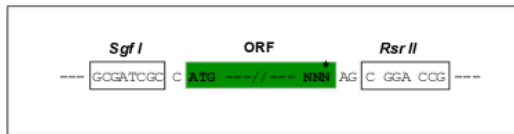
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2441_e01.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shutting:



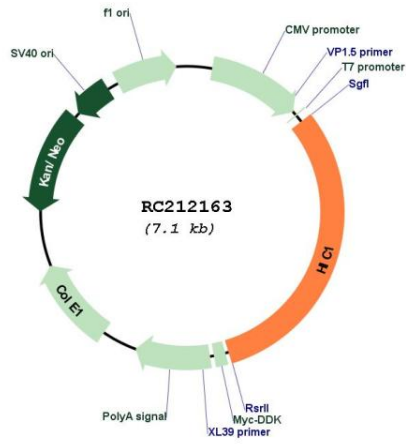
* The last codon before the Stop codon of the ORF

ACCN: NM_001098202

ORF Size: 2199 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001098202.1 , NP_001091672.1
RefSeq Size:	3071 bp
RefSeq ORF:	2202 bp
Locus ID:	3090
UniProt ID:	Q14526
Cytogenetics:	17p13.3
MW:	76.5 kDa
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]

Product images:



Circular map for RC212163