OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC222752

HIC1 (NM_006497) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIC1 (NM_006497) 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)

ORF Nucleotide Sequence:

>RC222752 representing NM_006497
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGACACGATGGAGGCGCCCGGCCACTCCAGGCAGCTGCTGCTGCAGCTCAACAACCAGCGCACCA
AGGGCTTCTTGTGCGACGTGATCATCGTGGTGCAGAACGCCCTCTTCCGCGCGCACAAGAACGTGCTGGC
GGCCAGCAGCGCCTACCTCAAGTCCCTGGTGGTGCATGACAACCTGCTCAACCTGGACCATGACATGGTG
AGCCCGGCCGTGTTCCGCCTGGTGCTGGACTTCATCTACACCGGCCGCCTGGCTGACGGCGCAGAGGCGG
CTGCGGCCGCGGCCGTGGCCCCGGGGGCTGAGCCGAGCCTGGGCGCCGTGCTGGCCGCCGCCAGCTACCT
GCAGATCCCCGACCTCGTGGCGCTGTGCAAGAAACGCCTCAAGCGCCACGGCAAGTACTGCCACCTGCGG
GGCGGCGGCGGCGGCGGCGGCGGCTACGCGCCCTATGGTCGGCCGGGCCGGGGCCTGCGGGCCGCCACGC
CGGTCATCCAGGCCTGCTACCCGTCCCCAGTCGGGCCTCCGCCGCCGCCTGCCGCGGAGCCGCCCTCGGG
CCCAGAGGCCGCGGTCAACACGCACTGCGCCGAGCTGTACGCGTCGGGACCCGGCCCGGCCGCCGCACTC
TGTGCCTCGGAGCGCCGCTGCTCCCCTCTTTGTGGCCTGGACCTGTCCAAGAAGAGCCCGCCGGGCTCCG
CGGCGCCAGAGCGGCCGCTGGCTGAGCGCGAGCTGCCCCCGCGCCCGGACAGCCCTCCCAGCGCCGGCCC
CGCCGCCTACAAGGAGCCGCCTCTCGCCCTGCCGTCGCTGCCGCCGCTGCCCTTCCAGAAGCTGGAGGAG
GCCGCACCGCCTTCCGACCCATTTCGCGGCGGCAGCGGCAGCCCGGGACCCGAGCCCCCCGGCCGCCCCG
ACGGGCCTAGTCTCCTCTATCGCTGGATGAAGCACGAGCCGGGCCTGGGTAGCTATGGCGACGAGCTGGG
CCGGGAGCGCGGCTCCCCCAGCGAGCGCTGCGAAGAGCGTGGTGGGGACGCGGCCGTCTCGCCCGGGGGG
CCCCCGCTCGGCCTGGCGCCGCCGCCGCGCTACCCTGGCAGCCTGGACGGGCCCGGCGCGGGCGGCGACG
GCGACGACTACAAGAGCAGCAGCGAGGAGACCGGTAGCAGCGAGGACCCCAGCCCGCCTGGCGGCCACCT
CGAGGGCTACCCATGCCCGCACCTGGCCTATGGCGAGCCCGAGAGCTTCGGTGACAACCTGTACGTGTGC
ATTCCGTGCGGCAAGGGCTTCCCCAGCTCTGAGCAGCTGAACGCGCACGTGGAGGCTCACGTGGAGGAGG
AGGAAGCGCTGTACGGCAGGGCCGAGGCGGCCGAAGTGGCCGCTGGGGCCGCCGGCCTAGGGCCCCCTTT
TGGAGGCGGCGGGGACAAGGTCGCCGGGGCTCCGGGTGGCCTGGGAGAGCTGCTGCGGCCCTACCGCTGC
GCGTCGTGCGACAAGAGCTACAAGGACCCGGCCACGCTGCGGCAGCACGAGAAGACGCACTGGCTGACCC
GGCCCTACCCATGCACCATCTGCGGGAAGAAGTTCACGCAGCGTGGGACCATGACGCGCCACATGCGCAG
CCACCTGGGCCTCAAGCCCTTCGCGTGCGACGCGTGCGGCATGCGGTTCACGCGCCAGTACCGCCTCACG
GAGCACATGCGCATCCACTCGGGCGAGAAGCCCTACGAGTGCCAGGTGTGCGGCGGCAAGTTCGCACAGC
AACGCAACCTCATCAGCCACATGAAGATGCACGCCGTGGGGGGCGCGGCCGGCGCGGCCGGGGCGCTGGC
GGGCTTGGGGGGGCTCCCCGGCGTCCCCGGCCCCGACGGCAAGGGCAAGCTCGACTTCCCCGAGGGCGTC
TTTGCTGTGGCTCGCCTCACGGCCGAGCAGCTGAGCCTGAAGCAGCAGGACAAGGCGGCCGCGGCCGAGC
TGCTGGCGCAGACCACGCACTTCCTGCACGACCCCAAGGTGGCGCTGGAGAGCCTCTACCCGCTGGCCAA
GTTCACGGCCGAGCTGGGCCTCAGCCCCGACAAGGCGGCCGAGGTGCTGAGCCAGGGCGCTCACCTGGCG
GCCGGGCCCGACGGCCGGACCATCGACCGTTTCTCTCCCACC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222752 representing NM_006497
Red=Cloning site Green=Tags(s)

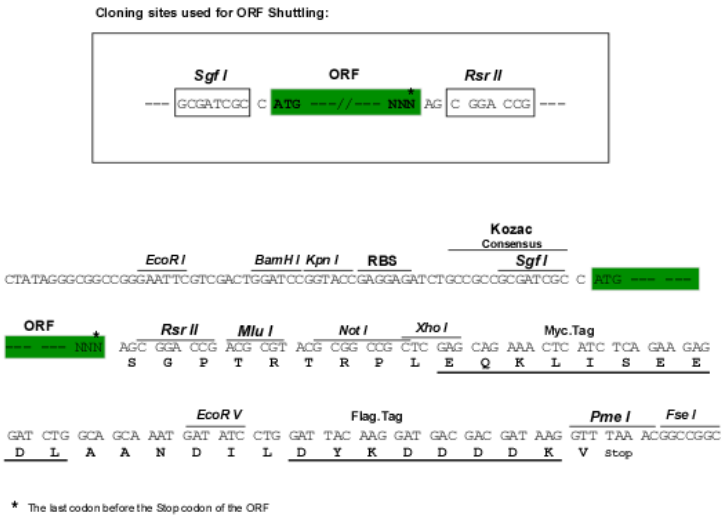
MLDTMEAPGHSRQLLLQLNNQRTKGFLCDVIIVVQNALFRAHKNVLAASSAYLKSLVVHDNLLNLDHDMV
SPAVFRLVLDFIYTGRLADGAEAAAAAAVAPGAEPSLGAVLAAASYLQIPDLVALCKKRLKRHGKYCHLR
GGGGGGGGYAPYGRPGRGLRAATPVIQACYPSPVGPPPPPAAEPPSGPEAAVNTHCAELYASGPGPAAAL
CASERRCSPLCGLDLSKKSPPGSAAPERPLAERELPPRPDSPPSAGPAAYKEPPLALPSLPPLPFQKLEE
AAPPSDPFRGGSGSPGPEPPGRPDGPSLLYRWMKHEPGLGSYGDELGRERGSPSERCEERGGDAAVSPGG
PPLGLAPPPRYPGSLDGPGAGGDGDDYKSSSEETGSSEDPSPPGGHLEGYPCPHLAYGEPESFGDNLYVC
IPCGKGFPSSEQLNAHVEAHVEEEEALYGRAEAAEVAAGAAGLGPPFGGGGDKVAGAPGGLGELLRPYRC
ASCDKSYKDPATLRQHEKTHWLTRPYPCTICGKKFTQRGTMTRHMRSHLGLKPFACDACGMRFTRQYRLT
EHMRIHSGEKPYECQVCGGKFAQQRNLISHMKMHAVGGAAGAAGALAGLGGLPGVPGPDGKGKLDFPEGV
FAVARLTAEQLSLKQQDKAAAAELLAQTTHFLHDPKVALESLYPLAKFTAELGLSPDKAAEVLSQGAHLA
AGPDGRTIDRFSPT

SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4789_g08.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_006497

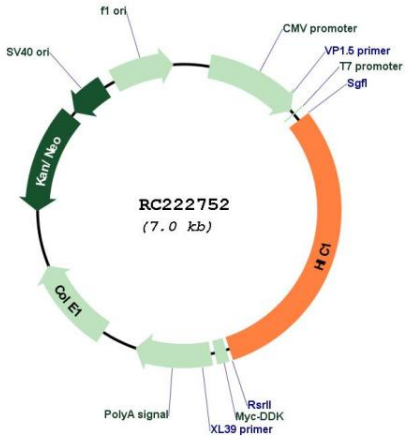
ORF Size: 2142 bp

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

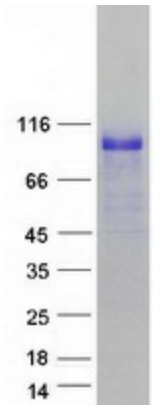
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	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_006497.4
RefSeq Size:	2626 bp
RefSeq ORF:	2145 bp
Locus ID:	3090
UniProt ID:	Q14526
Cytogenetics:	17p13.3
MW:	74.3 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 RC222752



Coomassie blue staining of purified HIC1 protein (Cat# [TP322752]). The protein was produced from HEK293T cells transfected with HIC1 cDNA clone (Cat# RC222752) using MegaTran 2.0 (Cat# [TT210002]).