

Product datasheet for **SC316257**

HIC1 (NM_001098202) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIC1 (NM_001098202) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIC1
Synonyms:	hic-1; ZBTB29; ZNF901
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001098202, the custom clone sequence may differ by one or more nucleotides

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ATGACTTTTCTGAAGCGGACATTTTACTTAAATCGGGAGAGTGTGCTGGGCAGACGATG
CTGGACACGATGGAGGCGCCCGGCACTCCAGGCAGCTGCTGCTGCAGCTCAACAACCAG
CGCACCAAGGGCTTCTTGTGCGACGTGATCATCGTGGTGCAGAACGCCCTTCCGCGCG
CACAGAACGTGCTGGCGGCCAGCAGCGCTACCTCAAGTCCCTGGTGGTGCATGACAAC
CTGCTCAACCTGGACCATGACATGGTGGAGCCCGCCGTTCCGCTGGTGGTGGACTTC
ATCTACACCGGCCCTGGCTGACGGCGCAGAGCGGCTGCGGCCGCGGCCGTGGCCCCG
GGGCTGAGCCGAGCCTGGGCGCCGTGCTGGCCCGCCAGCTACCTGCAGATCCCCGAC
CTCGTGGCGCTGTGCAAGAAACGCCTCAAGCGCCACGGCAAGTACTGCCACCTGCGGGG
GGCGGGCGGCGGCGGCGGCTACGCGCCCTATGGTGGCGGGCGGGGCTGCGGGC
GCCACGCCGTATCCAGGCCTGTACCCGTCCCAGTCGGGCTCCGCCCGCCCTGCC
GCGGAGCCGCCCTCGGGCCAGAGGCCGCGGTCAACACGCACTGCGCCGAGCTGTACGG
TCGGGACCCGGCCCGGCCCGCACTCTGTGCTCGGAGCGCCGCTGCTCCCTCTTTGT
GGCTGGACCTGTCCAAGAAGAGCCCGGGCTCCGCGCGCCAGAGCGGCCGCTGGCT
GAGCGCGAGCTGCCCCCGGCCGACAGCCCTCCCAGCGCCGGCCCGCCGCTACAAG
GAGCCGCCTCTCGCCCTGCCGTGCTGCGCCGCTGCCCTTCCAGAAGCTGGAGGAGGC
GCACCGCTTCCGACCCATTTGCGGCGGCGAGCGGCGAGCCGGGACCCGAGCCCCGGC
CGCCCCGACGGGCTAGTCTCTCTATCGCTGGATGAAGCACGAGCCGGGCTGGGTAGC
TATGGCGACGAGCTGGGCGGGAGCGGGCTCCCCAGCGAGCGTGCAGAGCGTGGT
GGGACCGCGGCTCTCGCCGGGGGCCCCGCTCGGCTGGCGCCCGCCCGCGCTAC
CCTGGCAGCCTGGACGGGCCCGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG
GAGGAGACCGGTAGCAGCGAGGACCCAGCCCGCTGGCGGCCACCTCGAGGGTACCCA
TGCCCGACCTGGCTATGGCGAGCCCGAGAGCTTCGGTGACAACCTGTACGTGTGATT
CCGTGCGCAAGGGCTTCCCCAGCTCTGAGCAGCTGAACGCGCACGTGGAGGCTCACGTG
GAGGAGGAGGAAGCGCTGTACGGCAGGGCCGAGGCGGCCGAAGTGGCCGCTGGGGCCG
GGCCTAGGGCCCCCTTTGGAGGCGGCGGGGACAAGGTGCGCGGGCTCCGGTGGCCTG
GGAGAGCTGTGCGGCCCTACCGCTGCGCGTGTGCGACAAGAGCTACAAGGACCCGGC
ACGCTGCGGCAGCAGAGAAGACGCACTGGCTGACCCGGCCCTACCCATGCACCATCTGC
GGGAAGAAGTTCACGCAGCGTGGGACCATGACGCGCCACATGCGCAGCCACCTGGGCCTC
AAGCCCTTCGCGTGCACGCGTGGGCGATGCGGTTACGCGCCAGTACCGCTCACGGAG
CACATGCGCATCCACTCGGGCGAGAAGCCCTACGAGTGCAGGTGTGCGCGGCAAGTTC
GCACAGCAACGCAACCTCATCAGCCACATGAAGATGCACGCCGTGGGGGGCGCGCCGGC
GCGGCCGGGGCGCTGGCGGGCTTGGGGGGCTCCCCGGCGTCCCCGGCCCCGACGGCAAG
GGCAAGCTCGACTTCCCCGAGGGCGTCTTTGCTGTGGCTGCCTCACGGCCGAGCAGCTG
AGCCTGAAGCAGCAGGACAAGGCGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG
CTGCACGACCCCAAGGTGGCGTGGAGAGCCTCTACCCGCTGGCCAAGTTCACGGCCGAG
CTGGCCCTCAGCCCCACAAGGCGGCGGAGGTGCTGAGCCAGGGCGCTCACCTGGCGGCC
GGCCCCGACGGCCGACCATCGACCGTTTCTCTCCACC

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Restriction Sites: Please inquire
ACCN: NM_001098202

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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]

Transcript Variant: This variant (2) contains an alternate in-frame exon in the 5' coding region and uses a downstream start codon, compared to variant 1. Isoform 2 has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.