

## Product datasheet for **SC303780**

### HIC1 (NM\_006497) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HIC1 (NM_006497) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIC1
Synonyms:	hic-1; ZBTB29; ZNF901
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene sequence for NM\_006497 edited  
 GAGAGTGTGCTGGGCAGACGATGCTGGACACGATGGAGGCGCCCGGCCACTCCAGGCAGC  
 TGCTGCTGCAGCTCAACAACCAGCGCACCAAGGGCTTCTTGTGCGACGTGATCATCGTGG  
 TGCAGAACGCCCTCTCCGCGCGACAAGAACGTGCTGGCGGCCAGCAGCGCCTACCTCA  
 AGTCCCTGGTGGTGCATGACAACCTGCTCAACCTGGACCATGACATGGTGAGCCCGGCCG  
 TGTTCCGCCTGGTGGTGGACTTACCTACACCGCCGCTGGCTGACGGCGCAGAGGCGG  
 CTGCGGCCGCGGCCGTGGCCCGGGGGCTGAGCCGAGCCTGGGCGCCGTGCTGGCCGCC  
 CCAGCTACCTGCAGATCCCCGACCTCGTGGCGCTGTGCAAGAAACGCCTCAAGCGCCACG  
 GCAAGTACTGCCACCTGCGGGGCGGCGGCGGCGGCGGCTACGCGCCCTATGGTC  
 GGCCGGGCGGGGCTGCGGGCCGCCACGCCGGTCCAGGCCCTGCTACCCGTCGCCAG  
 TCGGGCTCCGCCCGCCCTGCCGCGGAGCCGCCCTGGGGCCAGAGGCCGCGGTCAACA  
 CGCACTGCGCCGAGCTGTACGCGTGGGACCCGGCCCGCCGCGCCACTCTGTGCTCGG  
 AGCGCCGTGCTCCCTCTTGTGGCTGGACCTGTCCAAGAAGAGCCCGCCGGGCTCCG  
 CGGCGCCAGAGCGCCGCTGGCTGAGCGCGAGCTGCCCCGCGCCGGACAGCCCTCCCA  
 GCGCCGCGCCCGCCCTACAAGGAGCCGCTCTCGCCCTGCCGTGCTGCGCCGCTGC  
 CCTTCCAGAAGCTGGAGGAGGCCACCCGCTTCCGACCATTTTCGCGGGCGCAGCGCA  
 GCCCGGACCCGAGCCCCCGGCCGCCCCGACGGGCTAGTCTCCTCTATCGCTGGATGA  
 AGCACGAGCCGGGCTGGGTAGCTATGGCGACGAGCTGGGCCGGGAGCGCGGCTCCCCCA  
 GCGAGCGCTGCGAAGAGCGTGGTGGGACGCGGCCGTCTCGCCGGGGGGCCCCGCTCG  
 GCCTGGCGCCCGCCGCGCTACCTGGCAGCCTGGACGGGCCCGGCGCGGGCGGCGACG  
 GCGAGCACTACAAGAGCAGCAGCGAGGAGACCGGTAGCAGCGAGGACCCAGCCCGCTG  
 GCGGCCACCTCGAGGGCTACCCATGCCCGACCTGGCCTATGGCGAGCCCGAGAGCTTGC  
 GTGACAACTGTACGTGTGCAATCCGTGCGGCAAGGGCTTCCCCAGCTCTGAGCAGCTG  
 ACGCGCACGTGGAGGCTACGTGGAGGAGGAGGAAGCGCTGTACGGCAGGGCCGAGGCGG  
 CCGAAGTGGCCGCTGGGCGCGCCGCTAGGGCCCCCTTTTGGAGGCGCGGGGACAAGG  
 TCGCCGGGCTCCGGGTGGCTGGGAGAGCTGCTGCGGCCCTACCGCTGCGCGTGTGCG  
 ACAAGAGCTACAAGGACCCGGCCACGCTGCGGCAGCAGAGAAGACGCACTGGCTGACCC  
 GGCCCTACCCATGCACCTCTGCGGGAAGAAGTTCACGCAGCGTGGGACCATGACGCGCC  
 ACATGCGCAGCCACCTGGGCTCAAGCCCTTCGCGTGCAGCGCTGCGGCATGCGGTTCA  
 CGCGCCAGTACCGCTCACGGAGCACATGCGCATCCACTCGGGCGAGAAGCCCTACGAGT  
 GCCAGGTGTGCGGCGGAAGTTCGCACAGCAACCAACCTCATCAGCCACATGAAGATGC  
 ACGCCGTGGGGGCGCGGCCGCGCGGGCGGCGCTGGCGGGCTTGGGGGGGCTCCCCG  
 GCGTCCCCGCCCCGACGGCAAGGGCAAGCTCGACTTCCCCGAGGGCGTCTTTGCTGTGG  
 CTCGCCTCACGGCCGAGCAGCTGAGCCTGAAGCAGCAGGACAAGGCGGCCGCGGCCGAGC  
 TGCTGGCGCAGACCACGCACTTCTGCACGACCCCAAGGTGGCGCTGGAGAGCCTTACC  
 CGCTGGCCAAGTTCAGGGCCGAGCTGGGCTCAGCCCCGACAAGGCGGCCGAGGTGCTGA  
 GCCAGGGCGCTCACCTGGCGGCCGGGCCGACGGCCGGACCATCGACCGTTTCTCTCCA  
 CCTAGAGCGCC

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006497 unedited  
 AAATGTGCTGGGCAGACGATGCTGGACACGATGGAGGCGCCCGGCCACTCCAGGCAGCTG  
 CTGCTGCAGCTCAACAACCAGCGCACCAAGGGCTTCTTGTGCGACGTGATCATCGTGGT  
 CAGAACGCCCTCTCCGCGCGACAAGAACGTGCTGGCGGCCAGCAGCGCCTACCTCAAG  
 TCCCTGGTGGTGCATGACAACCTGCTCAACCTGGACCATGACATGGTGAGCCCGGCCG  
 TTCCGCTGGTGGTGGACTTACCTACACCGCCGCTGGCTGACGGCGCAGAGGCGGCT  
 GCGGCCGCGGCCGTGGCCCGGGGGCTGAGCCGAGCCTGGGCGCCGTGCTGGCCCGGCC  
 AGCTACCTGCAGATCCCCGACCTCGTGGCGCTGTGCAAGAAACGCCTCAAGCGCCACGGC  
 AAGTACTGCCACCTGCGGGCG

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_006497 unedited CTTGGNGAGGCACTNTCCAGNCCAGNAAAGCACTGGGGNAGGGTACAGGGATGCCACC CGGGATCTGTTTCAGGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGACAAGCTTGAT ATCGGTACCAGATCTGAATTCGCCCTTGCGGTGACGCGCTCTAGTGGGAGAGAAACG GTCGATGGTCCGGCCGTGGGCCCGGCCAGGTGAGCGCCTGGCTCAGCACCTCGGC CGCCTTGTGGGGCTGAGGCCAGCTCGGCCGTGAAGTGGCCAGCGGGTAGAGGCTCTC CAGCGCCACCTTGGGGTCTGCAGGAAGTGCCTGGTCTGCGCCAGCAGCTCGGCCGCGGC CGCCTTGTCTGCTGCTTCAGGCTCAGCTGCTCGGCCGTGAGGCGAGCCACAGCAAAGAC GCCCTCGGGGAAGTCGAGCTTGCCCTTGCCGTGGGGCCGGGACGCCGGGGAGCCCCC CAAGCCCGCCAGCGCCCCGGCCGCGCCGCCGCCACGGCGTGCATCTTCATGTG GCTGATGAGGTTGCGTTGCTGTGCGAAGTGGCCCGCACACCTGGCACTCGTAGGGCTT CTCGCCGAGTGGATGCGCATGTGCTCCGTGAGGCGGTAAGTGGCGGTGAACCGCATGCC GCACGCGTCGCACGGAAGGGCTTGAGGCCAGGTGGCTGCGCATGTGGCGCGTCATGGT CCCACGCTGCGTGAAGTCTTCCCAGATGGTGCATGGGTAGGGCCGGGTCAGCCAGT CGTCTTCTCGTGTGCCGAGCGTGGCCGGTC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_006497
<b>Insert Size:</b>	2200 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_006497.2</a></u> , <u><a href="#">NP_006488.2</a></u>
<b>RefSeq Size:</b>	2626 bp
<b>RefSeq ORF:</b>	2145 bp
<b>Locus ID:</b>	3090
<b>UniProt ID:</b>	<u><a href="#">Q14526</a></u>
<b>Cytogenetics:</b>	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 (1) represents the longer transcript and encodes the longer 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.