

## Product datasheet for **SC117881**

### **HIRIP3 (NM\_003609) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HIRIP3 (NM_003609) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIRIP3
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 ORF within SC117881 sequence for NM\_003609 edited (data generated by NextGen Sequencing)

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ATGGCGCGGGAGAAGGAGATGCAGGAGTTCACCCGTAGCTTCTTCCGAGGCCGCCGGAC
CTCAGCACGCTTACGCATTCCATCGTGCGGGCGGAGGACTTAGCTCACTCGGGCCGACAGC
CACCTGGAGCCCAGGAGAAGCAGGCACTGAAGCGGCTGGTGGAGGAGGAGCTGCTGAAG
ATGCAGGTGGATGAAGCCGCTTCCAGGGAAGACAACTGGACCTTACCAAGAAGGGCAAG
AGGCCTCCACCCCTTGTAGCGACCCGGAGAGAAAAAGGTTCCGCTTCAATTCAGAGTCG
GAGTCCGCTCTGAAGCCTCCAGCCAGACTACTTTGGACCCCAAGAAATGGGGTG
GCAGCAGAAGTCAGCCCAGCAAAGAGGAGAATCCAAGGCGAGCCTCAAAGGCAGTTGAG
GAGAGCAGTGATGAGGAACGGCAGAGGGACCTGCCCGCACAGAGGGGAGAGGAGCAGT
GAGGAGGAGGAAAAGGGGTACAAGGGGAAGACTAGGAAGAAACCTGTGGTAAAGAAGCAG
GCACCAGGCAAGGCCTCAGTCAGTAGGAAGCAGGCCAGGGAAGAAAGTGAGGAGAGCGAG
GCAGAACCCGTTTCCAGAGGACAGCAAAGAAGGTGGAGGGAATAAAGGAACTAAAAGCCTG
AAGGAAAGTGAACAGGAGAGTGAAGAGGAGATCCTAGCCAGAAGAAAGAGCAGAGAGAG
GAGGAAGTGGAGGAGGAAGAGAAAGAAGAGGATGAGGAAAAGGGGGATTGGAAACCCAGA
ACCAAGGAGCAATGGCCGGAGAAAGTCAAGTGGAGGAGAGGAGCTGTAAGCAGAAAAGC
CAGGCAAAGAGGCTCTTGGGAGACTCAGACAGCGAGGAAGAGCAGAAAAGGCAGCCAGC
AGTGGGGATGACAGTGGGAGAGATAGAGAACCCCAAGTGCAGAGGAAGAGTGAGGACAGG
ACCCAGCTTAAGGGTGGGAAGAGGTTGAGTGGAAAGCAGCGAGGACGAGGAAGACAGTGGG
AAGGGGAAACCCACAGCTAAAGGCTCTAGAAAGATGGCCAGACTGGGCAGCACCAGTGGT
GAGGAAAGTGACTTGGAGAGGGAGGTAAGTGACAGCGAGGCGAGGGGAGGCCCCAGGGG
GAGAGGAAGAACCCTCTTCCAAGAAGAGCTCCAGGAAAGGCAGGACACGAAGCTCCTCT
TCCTCCTCAGATGGAAGTCCAGAGGCCAAAGAGGGAAGGCTGGCTCAGGTCGCGGTGGA
GAGGACCACCCGCTGTGATGAGGCTGAAGCGCTACATTGCGGCCTGTGGTGCCCATCGA
AACTACAAGAAGCTGTTGGGCTCCTGTTGCTCACACAAGGAGCGCCTGAGTATCCTCCGG
GCAGAAGTGAAGCGCTAGGCATGAAGGGTACCCCTTCCCTAGGGAAGTGTGGGCCCTG
AAGGAGCAGAGGGAGGAGGCAGCTGAGGTGGCCTCCTTGGATGTTGCGAACATCATCAGT
GGCTCGGGCCGGCCACGCAGACGTACAGCCTGGAACCTTTAGGAGAAGCAGCACCACCA
GGGAGCTGTACCGACGGACCCTGGACTCAGATGAAGAGCGGCCCGTCCCGCACCCCA
GACTGGTCACATATGCGTGGCATCATCAGCAGTATGGCGAGAGTAACTGA

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Clone variation with respect to NM\_003609.4

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_003609 unedited

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NGTTCAGNAATTGTATACGATTCATATAGGGCGGCCGGAATTCGCACGAGGCCCGGTT
GAGCAAAGGCGCGGAGAAGGAGATGCAGGAGTTCACCCGTAGCTTCTTCCGAGGCCGC
CCGGACCTCAGCACGCTTACGCATTCCATCGTGCGGGCGGAGGACTTAGCTCACTCGGGC
CGCAGCCACCTGGAGCCCAGGAGAAGCAGGCACTGAAGCGGCTGGTGGAGGAGGAGCTG
CTGAAGATGCAGGTGGATGAAGCCGCTTCCAGGGAAGACAACTGGACCTTACCAAGAAG
GGCAAGAGGCCTCCACCCCTTGTAGCGACCCGGAGAGAAAAAGGTTCCGCTTCAATTC
GAGTCCGAGTCCGGCTCTGAAGCCTCCAGCCAGACTACTTTGGACCCCAAGAAAT
GGGGTGGCAGCAGAAGTCAGCCAGCAAAGAGGAGAATCCAAGGCGAGCCTCAAAGGCA
GTTGAGGAGAGCAGTGATGAGGAACGGCAGAGGGACCTGCCCGCACAGAGGGGAGAGGAG
AGCAGTGAGGAGGAGGAAAAGGGGTACAAGGGGAAGACTAGGAAGAAACCTGTGGTAAAG
AAGCAGGCACCAGGCAAGGCCTCAGTCAGTAGGAAGCAGGCCAGGGAAGAAAGTGAGGAG
AGCGAGGCAGAACCCGTTTCCAGAGGACAGCANAGAAGGTGGAGGGAATAAAGGAACTAAA
AGCCTGAAGGAAAAGTGAACAGGAGAGTGAAGAGGAGATCCTAGCCAGAAGAAAGAGCAN
AGAGAGGAGGAAGTGGAGGGAGAAGAGAAAAGAAAGGATGAGGGAAAGGGNGGATTGGNN
AACCAGAACCAGNAGCATGGCCGGAGAAGTCCAAGTGGGGAGAGAGGNAGCTGTAGCAG
AAAAGCCAGCAAGAGCTCTGGGNAGATC

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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_003609 unedited GGGGAGACGACAAATCCTTCCNNNNNGGTCGTGNACGCGGCCATTCTANGATCGGN TTGGAGAGGGGATTAACAACTCCTT TATTGAGTCTTAAAAAACACCTTAAAGGGACAGCGTGAAGCTGAAAAGTAGCATCCC AACAGCTTGGGTCCTTGGGAGCTGCAGTCTTCTCTGAAGGAAGCTGCTTCTGTTCCACAG ACACAGGGCAAGGGGGCTATGTATGCTTTGTACATGTATCAAGGGTCCCTCCTGGGGGG GGCAGAGCTCAGTTACTCTGCCATCACTGCTGATGATGCCACGCATATGTGACCAGTCT GGGGGTGCGGGACGGGGCCGCTCTTCATCTGAGTCCAGGGTCCGTCGGTACAGCTCCCCT GGGGGTGCTGCTTCTCCTAAAGGGTTCCAGGCTGTACGTCTGCGTGGCCGGCCGAGCCA CTGATGATGTTTCGAACATCCAAGGAGGCCACCTCAGCTGCCTCCTCCTCTGCTCCTTC AGGGCCCCGACACTTCCCTAGGGGAGGGTACCCTTCATGCCTAGCGCTTCCAGNTCTGCC CGGAGGATACTCCAGGCGCTCTTGTGTGAGCAACAGGAGCCAAACAGCTTGTAGTTT CGATGGGCACACAGGCCCGATGTAGCGCTTACCTCTCACAGCCGGGTGGGTCTCTCAC GGGGACCTGAGCCACCCTTCTCCTTTGGCCTTTGGGATTTCAATTTGAGGAGGAGNAGAG CCTTCGGTCTGCCCTTCTGGAGCTTCTTGGAAAAACGGTTCTTCTTCCCCTGGGG CCCTCCCCTGCCTGGNTGAAATTACCTCCTTCCAGGCATTCCTAACAAATGGGGCTGC CCAAGTGGGCACTTTTTAAAGACTTAAATGGGGGTTCCCCTTCTCACTTGGTTCTTGGC CTCGTGTTCATTAACCTCTTCCCACCTAAGAGGGGCCGCTCTTCTTTTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003609
<b>Insert Size:</b>	2050 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>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>NM_003609.2, NP_003600.2</u>
<b>RefSeq Size:</b>	2352 bp
<b>RefSeq ORF:</b>	1671 bp
<b>Locus ID:</b>	8479
<b>UniProt ID:</b>	<u>Q9BW71</u>
<b>Cytogenetics:</b>	16p11.2

**Gene Summary:**

The HIRA protein shares sequence similarity with Hir1p and Hir2p, the two corepressors of histone gene transcription characterized in the yeast, *Saccharomyces cerevisiae*. The structural features of the HIRA protein suggest that it may function as part of a multiprotein complex. Several cDNAs encoding HIRA-interacting proteins, or HIRIPs, have been identified. In vitro, the protein encoded by this gene binds HIRA, as well as H2B and H3 core histones, indicating that a complex containing HIRA-HIRIP3 could function in some aspects of chromatin and histone metabolism. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.[provided by RefSeq, Aug 2011]

Transcript Variant: This variant (1) encodes the longer isoform (1).