

## Product datasheet for **SC300953**

### H3C15 (NM\_001005464) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	H3C15 (NM_001005464) Human Untagged Clone
Tag:	Tag Free
Symbol:	H3C15
Synonyms:	H3/n; H3/o; H3C13; H3C14; HIST2H3A
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\_001005464 edited  
 CGCCGCTGCGCTGGTAAGCCTGTGTTTTGGTTTCGCTATGGCCCGTACTAAGCAGACTGCT  
 CGCAAGTCGACCGGCGGCAAGGCCCGAGGAAGCAGCTGGCCACCAAGGCGGCCGCAAG  
 AGCGCGCCGGCCACGGGCGGGTGAAGAAGCCGACCGTACCGGCCCGGCACCGTAGCC  
 CTGCGGGAGATCCGGCGTACCAGAAGTCCACGGAGCTGCTGATCCGCAAGCTGCCCTTC  
 CAGCGGCTGGTACGCGAGATCGCGCAGGACTTTAAGACGGACCTGCGCTTCCAGAGCTCG  
 GCCGTGATGGCGCTGCAGGAGGCCAGCGAGGCCACTCTGGTGGGGCTGTTTCAAGACACG  
 AACCTGTGCGCCATCCACGCCAAGCGCGTGACCATTATGCCCAAGGACATCCAGCTGGCC  
 CGCCGATCCGTGGAGAGCGGGCTTAAGAAGTGGCGGTTTCGGCCGAGGTTCCATCGTAT  
 CCAAAAGGCTCTTTTTCAGAGCCACCCACATCAGCACTTGGAAAGAAGCTGTACCGTTGCC  
 CTCCTGTCTCTCCGGCATTAGAGCGGGGAAGGCACTTCCGTTAGGCTCCCAACAAAAC  
 GGGGTCCGGTCCCCTGCTGCGGTGCCGCTTGTAGCTTTGCCGACTTCGGCAATTGGTC  
 TATCCGCACTGGCCGGGCTGCGGACGCTTCTGGGCGCCGGCTCGCGGGCTTTGGCGGT  
 CCGGCTCCCCCGCGGTGACCGGGGCCCTGCGTGGCGGGGGGGCCGGGCAGGAGAGAC  
 GGGGCGTCCGGCACGAGGCCAGGGTCACTAGGGGGACGCTCAGGGCTCGCGTCTGAG  
 CGCGGCTGGCCTTTGCGGAAGTGGAGCGCCACACGCCCGTGTTCGCGCCAAACCGGCC  
 TCAACCGCGCGGCCATCCGGCTAGGGAGGGAATGACCACCTCGGCCTCGCCGGGGTTC  
 TGGGACAAAAGTGGGAGAAGTGCCTGGGGTCCGTTTTCAGTCCCGCGCCACCTCCA  
 CTAGCACAGTGGTAACCCCATATCCTGCCCTAAGCCAAAATCCCGGGGGCACGGGT  
 GTGGGCGGAATTTTGTGAATCTGGGCTTATCGAGCCGTTCCCTGTCCATGTCCACAGAA  
 GGAGATCACTATTCCAGTGAAGGCACTCGGTCTCTTAGAAGCTGCATGGTATGTCTGG  
 ATTTTCTGTCCAGACTCAGTAGTTCCTTACGTTGTTTCGTCCGACATGTGGGCAGACG  
 CTGGTCCCGAGTTCAGATCCTTGGGAAGACAGTATAGACAGGAAGAAGTGGGCTCC  
 CGTTGGGCAAAATGAAGCTCTTCCCTTAGGAAATCGTGACAGGAGGCCACAGAGGTGAT  
 CTCTACAGTCTCTGGAGCTGGGAAGTCCAAGGCCTTCTAGTGGGAAAGTGAAGCAGGGT  
 CTTGCAGAGCCACTCTACACACGGCCAGATACAAATGGCTGTAGAGGTTTAGATAACA  
 CCTTCTCGGTCATTTATTTGACCTCAGAAGAAGCCAGGGCTTCGGTTTTCTGTTTGT  
 CATCACAGTTGACAGGTTAAAAGCATTCACTGCAGCGATCTATGAGAATTAAGAGGGGAG  
 AAGGGAAATGGAATAAACTTCGTTTTGTAAAGCTAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_001005464 unedited  
 CCTACTCGTTTTGTAAACGACTTATATAGGCGGCCGATTCCCGGGAATCGTCGACCCA  
 CGCGTCCGCGCGCTGCGCTGGTAAGCCTGTGTTTTGGTTCGCTATGGCCCGTACTAAGC  
 AGACTGCTCGAAGTCGACCGGCGGCAAGGCCCGAGGAAGCAGCTGGCCACCAAGGCGG  
 CCCGCAAGAGCGCGCCGGCCACGGGCGGGTGAAGAAGCCGACCGTACCGGCCGGCA  
 CCGTAGCCCTGCGGGAGATCCGGCGCTACCAGAAGTCCACGGAGCTGCTGATCCGCAAGC  
 TGCCCTTCCAGAGGCTGGTACGCGAGATCGCGCAGGACTTTAAGACGGACCTGCGCTTCC  
 AGAGCTCGGCCGTGATGGCGCTGCAGGAGGCCAGCGAGGCTACCTGGTGGGGCTGTTCCG  
 AAGACACGAACCTGTGCGCCATCCACGCCAAGCGGTGACCATTATGCCAAGGACATCC  
 AGCTGGCCCGCCATCCGTGGAGAGCGGGCTTAAGAAGTGGCGGTTTCGAGCGGAGGTTT  
 CATCGTATCCAAAAGGCTCTTTTTCAGAGCCACCCACATTAGCACTTTGGAAGAAGCTGTA  
 CCGATTGCCCTCCGTGCTCCCTCGGCATTAGAGCGGGGAAGGCACTTCCGCTTAGGCTCC  
 CCACAAAACGGGTCGGTCCCCTGCTGCAGTCCGGTCTGAGCCTTCCGACTTCGGC  
 CAATTGTCTATCCACCTGCCCGGCTGCGGACCTTTCTGGGCGCGGTTCCCGGCTTT  
 GGGGTCGGTTCGCCCGCTAACCGGCCCTGATTGCGGGTGGCCCGGGCAGAAAAA  
 AGGGGCTCGAGCAAGCCCGGTAAGGGGAACCTAGGGCCTCGGTCTGAACCCGT

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001005464  
**Insert Size:** 1672 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_001005464.1</a></u> , <u><a href="#">NP_001005464.1</a></u>
<b>RefSeq Size:</b>	411 bp
<b>RefSeq ORF:</b>	411 bp
<b>Locus ID:</b>	333932
<b>UniProt ID:</b>	<u><a href="#">Q71DI3</a></u>
<b>Cytogenetics:</b>	1q21.2
<b>Protein Pathways:</b>	Systemic lupus erythematosus
<b>Gene Summary:</b>	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy. [provided by RefSeq, Aug 2015]