

## Product datasheet for **SC122485**

### **HIST4H4 (BC020884) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HIST4H4 (BC020884) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIST4H4
Synonyms:	H4/p
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 BC020884 edited  
 ACAGTGGGCAGCCGATTTTCTGCTGAGTAGGCGCTGTGATTTTCAGAATGTCTGGGCGAG  
 GTAAAGGTGGCAAGGGGCTGGGTAAAGGGAGGCGCCAAGCGCCACCGGAAGGTGCTGCGGG  
 ACAATATCCAAGGCATTACAAAGCCGGCGATTTCGCGCTCTCGCCCGACGTGGGGGCGTCA  
 AGCGCATTTCTGGTCTCATCTACGAGGAGACCCGGGGAGTCTCAAAGTCTTCTGGAGA  
 ACGTGATCCGTGACGCGGTGACTTACACGGAGCACGCCAAGCGCAAGACCGTCACGGCCA  
 TGGATGTGGTGTACGCGCTGAAACGCGAGGGTGCACCCCTTTATGGTTTCGGCGGTTGAG  
 CTGTCCCCACAGCTTCTCTACAGACTCCAAAAGGCCCTTTTCAGGGCCCCAAACTGTCA  
 CAGAAAGAGCTGTAAACACTTCCCTAGATAACGGACCAAGTCTAGCTCTGCCACCGAGGCT  
 GGAGTGCAGTGGCAGATCTCGCCTCCGCCTCCCGGGTTCAAGCGATTACCTGCCTCAG  
 CTTCCCGAGTAGCTGGGATTACAGGCTGCGCCACCACGCTGGCTAATTTTTGTATTTT  
 TTTTTTTTTTTTTTGGTAGATACGGGGTTTACCATGTTGGCCAGGCTGGTCTTGAACTC  
 CTGGCCTCAAGTGATTCACCCGCTCCGCCTCCAAAAGTCTGGCATTTCAGGCGTGAGC  
 CACCACGCTTGGTCTTGTCTAGCTATTCTAAACATGAAGAAGTCATATAGCTTCCTTGG  
 TGGCGTGGGCTGAACTACTCTAAGGGAGTTTCCAGCCCCAGGGGTTAAAGAACTGGAG  
 TCAAGATTGGAACCCAGCTGGCGAAGGATTCGCGACCGCTTGATCTTGACATTTGCCTCT  
 TCTTCTGCCAGGAAGGCTCCCCTGTTCTTTTTGCTGACGTGTCAATTTCTAAGTACTTTC  
 TCCACTCCATAAAGACTTCAAGTGAGTACACAATACTGGTGTTAGTTTAAATTTCTAAGA  
 CAGTGAGACACTCGGAGAAGTTCAATTTCTTTAATGCAAGTGAAAAATTGAGTTACTTA  
 AAAGAAATAGAGTCTGGCATACTTTTCGTGCCCTCAATATTTGTTGCATGACCAATGAGT  
 GAATTTGGGTTTACATAAAATTAAGGATGAAAGTTAGGGCCCCGATGGAGGATAGAAATA  
 CTGTAGATATTTGTATGACAGTTAAAACCTTCCCTTAAGTATTTAACTTATATGGAATTG  
 TTTAAATATTTTATGTTTGGGGTTTTTTTTTATTTTTGTAGTGGTCTCAATTTCTTGA  
 TTAGAATAGAAGTATATTTTTCCCTTGTAGCATAGTTATTTTTTGTGTTTTGTTTCTT  
 TTTATAAAATATAACCTAATTATCTAAACCCAAGAAATATTTATTTTTGTCTGTGACTCT  
 GAGTCTATGGTATAGTAAGTACCCAGTCTGACAGTAATCATATCTTCCAAACCAAAAC  
 TGGGTACACGTTCAATAACTGAACAGAATATCTCAAAGTAAAACGATCAAGATTTTCT  
 TGAAGTTTACTATTAATAGTAAAATTGCTTACTAAAAATGTTAAAGAACTTGATTTAAAA  
 CTCTGTAATGCCTCACTTAAAATGTGAATGAGGGGGCGGGTGGGGTGGCTATAATGC  
 CAGCACTTTGGGAAGGCTGAGGCAGTAGGATTGCTGGAGGCCAGGAGTTTGGACCAGCA  
 TGGCCAACATAGTGAGACCCATCTCTACATAAAATAAGAATTATAAAATGTAAGTGAA  
 TGGAAATGCATTGAAATTTGATCCTGTAGCAAAGTCATCCCTTTTGAATTTGAACATTTG  
 TTTAATGCCTCTTTTCCAAGCATATTTTGAATATTCAGAGATAAATGAGCAAGTACTGC  
 CAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for BC020884 unedited  
 CCCGCCGTTGGGATTTGTATACGACTTATATAGGCGGCGCGAATTCGCCATTACGGCC  
 GGGGACAGTGGCAGCCGATTTTCTGCTGAGTAGGCGCTGTGATTTTCAGAATGTCTGGG  
 CGAGGTAAGGTGGCAAGGGGCTGGGTAAAGGGAGGCGCCAAGCGCCACCGGAAGGTGCTG  
 CGGGACAATATCCAAGGCATTACAAAGCCGGCGATTTCGCGCTCTCGCCCGACGTGGGGG  
 GTCAAGCGCATTCTGGTCTCATCTACGAGGAGACCCGGGGAGTCTCAAAGTCTTCTG  
 GAGAACGTGATCCGTGACGCGGTGACTTACACGGAGCACGCCAAGCGCAAGACCGTCACG  
 GCCATGGATGTGGTGTACGCGCTGAAACGCCAGGGTGCACCCCTTTATGGTTTCGGCGGT  
 TGAGCTGTCCCCACAGCTTCTCTACAGACTCCAAAAGGCCCTTTTCAGGGCCCCAAACT  
 GTCACAGAAAGAGCTGTAAACACTTCCCTAGATAACGGACCAAGTCTAGCTCTGCCACCGA  
 GGCTGGAGTGCAGTGGCAGGATCTCGCCTCCGCCTCCCGGGTTCAGCGATTACCTGCC  
 TCAGCTTCCCGAGTAGCTGGGATTACAGGCTGCGCCACCACGCCTGGCTAATTTTTGT  
 TTTTTTTTTTTTTTTTGGTAATACGGGGTTTACCATGTTGGCCAGGCTGGTCTTGGAC  
 TCCTGGCCTCAAGTGATTCACCCGCTCCGCCTCCAAAATGCTGGCATTTCAGGCGTGA  
 GCCACCACGCCTGGGCTTGGTCTAACTATTCTAAACTGAAGGAATCATATACCTTCTTGG  
 GGTGCGGTGGGCTGAACTACTTAAGGGAGGTTCCCAAGCCCCGGGTT

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC020884
<b>Insert Size:</b>	1951 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><a href="#">BC020884.1</a></u>
<b>RefSeq Size:</b>	1951 bp
<b>Locus ID:</b>	121504
<b>Cytogenetics:</b>	12p12.3
<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. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. [provided by RefSeq, Aug 2015]