

Product datasheet for **SC117933**

H4C14 (NM_003548) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H4C14 (NM_003548) Human Untagged Clone
Tag:	Tag Free
Symbol:	H4C14
Synonyms:	FO108; H4; H4-16; H4/n; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4C11; H4C12; H4C13; H4C15; H4F2; H4FN; HIST2H4; HIST2H4A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_003548 edited ATGTCCGGCAGAGGAAAGGGCGGAAAAGGCTTAGGCAAAGGGGGCGTAAGCGCCACCGC AAGGTCTTGAGAGACAACATTCAGGGCATCACCAAGCCTGCCATTCGGCGTCTAGCTCGG CGTGGCGGCGTTAAGCGGATCTCTGGCCTCATTTACGAGGAGACCCGCGGTGTGCTGAAG GTGTTCTGGAGAATGTGATTTCGGGACGCAGTCACTACACCGAGCACGCAAGCGCAAG ACCGTCACAGCCATGGATGTGGTGTACGCGCTCAAGCGCCAGGGGCGCACCTGTACGGC TTCGGAGGCTAG
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003548 unedited CACTATAGGTGCCGGCCGCGTAATTCGGCACGAGGCTCCAGCGGTATGTCCGGCAGAGG AAAGGGCGGAAAAGGCTTAGGCAAAGGGGGCGCTAAGCGCCACCGCAAGGTCTTGAGAGA CAACATTCAGGGCATCACCAAGCCTGCCATTCGGCGTCTAGCTCGGCGTGGCGGCGTTAA GCGGATCTCTGGCCTCATTTACGAGGAGACCCGCGGTGTGCTGAAGGTGTTCTTGAGAA TGTGATTCGGGACGCAGTCACTACACCGAGCACGCAAGCGCAAGACCGTCACAGCCAT GGATGTGGTGTACGCGCTCAAGCGCCAGGGGCGCACCTGTACGGCTTCGGAGGCTAGGC CGCCGCTCCAGCTTTGCGGTTTTGATCCCAAAGGCCCTTTTTAGGGCCGACCACTTGCT CATCTGAGGAGTTGGACACTTGACTGCGTAAAGTGCAACAGTAACGATGTTGGAAGGTAA CTTTGGCAGTGGGGCGACAATCGGATCTGAAGTTACGGANAGCTACCGCGGCCCATAGCC CTCACAGCCGTAAGACTTAAGTCGTTGACCGAAAGCGGCTTTTTCACTTACCTGGGCTT TTTTTTTTTTTTTTTTTTTTAAAGCCTTTATCGGTATGAAAGGTTGAATGCTCTANGTTT CAGCACTGCTTTCTCGGCTTGTCTTCTGGTGCAGTATAGGCACACCTAGAGGGCCACGT CAGTCTTTGCGATCACCAAACTGGTTCTGAGAAATANGCACTGGCAATTTACACATGCC TTTGCTGTGTAATCTCACTATATTTGCTCAGGCAAGTGGGGAGAAGCAGCCTTNAGGTT TTCATTCTAGAGATGCCGGCTTTCCACCTGATCGGCTTTAGAGTCC
Restriction Sites:	NotI-NotI



[View online »](#)

ACCN:	NM_003548
Insert Size:	2740 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_003548.2 , NP_003539.1
RefSeq Size:	396 bp
RefSeq ORF:	312 bp
Locus ID:	8370
UniProt ID:	P62805
Cytogenetics:	1q21.2
Domains:	H4, histone
Protein Pathways:	Systemic lupus erythematosus
Gene Summary:	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 H4 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]