

Product datasheet for **SC319933**

H4-16 (NM_175054) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H4-16 (NM_175054) Human Untagged Clone
Tag:	Tag Free
Symbol:	H4-16
Synonyms:	H4/p; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4C11; H4C12; H4C13; H4C14; H4C15; HIST4H4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_175054.2
 ACAGTGGGCAGCCGATTTTCTGCTGAGTAGGCGCTGTGATTTTCAGAATGTCTGGGCGAG
 GTA AAGGTGGCAAGGGGCTGGGT AAGGGAGGCGCCAAGCGCCACCGGAAGGTGCTGCGGG
 ACAATATCCAAGGCATTACAAAGCCGGCGATTGCGCGTCTCGCCCGACGTGGGGGCGTCA
 AGCGCATTTCTGGTCTCATCTACGAGGAGACCCGGGGAGTCTCAAAGTCTTCTGGAGA
 ACGTGATCCGTGACGCGGTGACTTACACGGAGCACGCCAAGCGCAAGACCGTCACGGCCA
 TGGATGTGGTGTACGCGCTGAAACGCGCAGGGTCGCACCCTTTATGGTTTCGGCGGTTGAG
 CTGTCCCCACAGCTTCTCTACAGACTCCAAAAGGCCCTTTTCAGGGCCCCAAACTGTCA
 CAGAAAGAGCTGTAAACACTTCCCTAGATAACGGACCAAGTCTAGCTCTGCCACCGAGGCT
 GGAGTGCAGTGGCAGATCTCGCCTCCGCTCCCGGGTTCAAGCGATTACCTGCCTCAG
 CTTCCCGAGTAGCTGGGATTACAGGCTGCGCCACCACGCTGGCTAATTTTTGTATTTT
 TTTTTTTTTTTTTTGGTAGATACGGGGTTTACCATGTTGGCCAGGCTGGTCTTGAACTC
 CTGGCCTCAAGTGATTCACCCGCTCCGCTCCCAAAGTCTGGCATTTCAGGCGTGAGC
 CACCACGCTTGGTCTTGCTCTAGCTATTCTAAACATGAAGAAGTCATATAGCTTCCTTGG
 TGGCGTGGGCTGAACTACTCTAAGGGAGTTTCCAGCCCCAGGGGTTAAGAAGTGGAG
 TCAAGATTGGAACCCAGCTGGCGAAGGATTCGCGACCGCTTGATCTTGACATTTGCCTCT
 TCTTCTGCCAGGAAGGCTCCCCTGTTCTTTTTGCTGACGTGTCAATTTCTAAGTACTTTC
 TCCACTCCATAAAGACTTCAAGTGAGTACACAATACTGGTGTTAGTTTAAATTTCTAAGA
 CAGTGAGACACTCGGAGAAGTTCAATTTCTTTAATGCAAGTGAAAAATTGAGTTACTTA
 AAAGAAATAGAGTCTGGCATACTTTGTCGCCCTCAATATTTGTTGCATGACCAAATGAGT
 GAATTTGGGTTTACATAAAATTAAGGATGAAAGTTAGGGCCCCGATGGAGGATAGAAATA
 CTGTAGATATTTGATGACAGTTAAAACCTTCCCTTAAGTATTTAACTTATATGGAATTG
 TTTAAATATTTTATGTTTGGGGTTTTTTTTTATTTTTGTAGTGGTCTCAATTTCTTGA
 TTAGAATAGAACTTATATTTTCCCTTGTAGCATAGTTATTTTTTTGTTTGTGTTTTGTTCT
 TTTATAAAATATAACCTAATTATCTAAACCCAAGAAATATTTATTTTTGTCTGTGACTCT
 GAGTCTATGGTATAGTAAGTACCCAGTCTGACAGTAATCATATCTTCCAAACCAAAAC
 TGGGTCACACGGTTCAATAACTGAACAGAATATCTCAAAGTAAAAACGATCAAGATTTTC
 TGAAGTTTACTATTAATAGTAAAATTGCTTACTAAAAATGTTAAAGAAGTGTATTTAAAA
 CTCTGTAATGCCTCACTTAAAATGTGAATGAGGGGGCGGGTGGGGTGGCTATAATGC
 CAGCACTTTGGGAAGGCTGAGGCAGTAGGATTGCTGGAGGCCAGGAGTTTGGAGCCAGCA
 TGGCCAACATAGTGAGACCCATCTCTACATAAAATAAGAATTAAAAATGTAAGTGAA
 TGGAAATGCATTGAAATTTGATCCTGTAGCAAAGTCATCCCTTTTGAATTTTGAACATTTG
 TTTAATGCCTCTTTTCCAAGCATATTTTGAATATTCAGAGATAAATGAGCAAGTACTGC
 CAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_175054
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:

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_175054.2](#), [NP_778224.1](#)

RefSeq Size: 412 bp

RefSeq ORF: 312 bp

Locus ID: 121504

UniProt ID: [P62805](#)

Cytogenetics: 12p12.3

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. 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]