

Product datasheet for **SC116822**

H10 (H1F0) (NM_005318) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H10 (H1F0) (NM_005318) Human Untagged Clone
Tag:	Tag Free
Symbol:	H10
Synonyms:	H1.0; H1F0; H1FV; H10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116822 sequence for NM_005318 edited (data generated by NextGen Sequencing)

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ATGACCGAGAATTCCACGTCCGCCCTGCGGCCAAGCCCAAGCGGCCAAGGCCTCCAAG
AAGTCCACAGACCACCCCAAGTATTCAGACATGATCGTGGCTGCCATCCAGGCCGAGAAG
AACCGCGCTGGCTCCTCGCGCCAGTCCATTCAGAAGTATATCAAGAGCCACTACAAGGTG
GGTGAGAACGCTGACTCGCAGATCAAGTTGTCCATCAAGCGCCTGGTCACCACCGGTGTC
CTCAAGCAGACCAAAGGGGTGGGGCCTCGGGTCTTCCGGCTAGCCAAGAGCGACGAA
CCCAAGAAGTCAGTGGCCTTCAAGAAGACCAAGAAGGAAATCAAGAAGGTAGCCACGCCA
AAGAAGGCATCCAAGCCCAAGAAGGCTGCCTCAAAGCCCAACCAAGAAACCCAAAGCC
ACCCCGGTCAAGAAGGCCAAGAAGAAGCTGGCTGCCACGCCCAAGAAAGCCAAAAACCC
AAGACTGTCAAAGCCAAGCCGGTCAAGGCATCCAAGCCCAAAAAGGCCAAACCAGTGAAA
CCCAAAGCAAAGTCCAGTGCCAAGAGGGCCGGCAAGAAGAAGTGA
```

Clone variation with respect to NM_005318.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005318 unedited
 GTCATAATTGTATACGACTCCTATAGGCGGCCGGAATCGCCGAGGGAAAGGGAGGCACTA
 GAGGCGGAGGCAGAGGCAGAGGCAGAGCCCGGTGCCGAGACCAAGCGACAGACCGGCGGG
 GCTGGGCTCGCAAAGCCGGCTCGGCGAGCTCTCCCGACACCCGAGCCGGGGAGGAAAAG
 CAGCGACTCCTCGCTCGCATCCCCGGGAGCCGCACTCCAGACTGGCCCGGTAGTCAGGGG
 CTCAGGAGCAGATCCCCGAGGAGGCTTTGCTCAGCCTCCGACGAGGGCTGGCCCTTTGGA
 AGCGCCTTCAACAGCCGACCAGACAGGCCACCATGACCGAGAATTCCACGTCCGCCCC
 TCGCGCCAAGCCAAGCGGGCCAAGGCCTCCAAGAAGTCCACAGACCACCCAAGTATTC
 AGACATGATCGTGCTGCCATCCAGGCCGAGAAGAACC CGCTGGCTCCTCGCGCCAGTC
 CATT CAGAAGTATATCAAGAGCCACTACAAGGTGGGTGAGAACGCTGACTCGCAGATCAA
 GTTGTCATCAAGCGCTGGTACCACCGGTGTCTCAAGCAGACCAAAGGGTGGGGG
 CTCGGNGTCTTCCGGCTAGCCAAGAGCGACGAACCCAAGAAAGTCAAGTGGCCTTCAAGAA
 GACCAAGAAGGAAATCAAGAAGGTAGCCACGCCAAGAAGGCATNNCAGCCCAAGAGGCTG
 CCTCAAGCCCCACCAAGAAACCAAGCCACCCGGTCAAGAAGCCAAGAAGAGCTGGCCT
 GCACGCCAAGAAGCCAAAAACCCAGACTGTCAAGCCCAGCCCGTCAAGCATCCAGCCC
 CANAAGGCAAACCAAGTTGAACCCAAGCAAGTTCAGTGCCAAGAGGTCCGCCAGAAGAAGT
 GACATGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005318 unedited
 AATTATTTAAGTTTTAAATTAACAAGTGGTTAAGGAAAAAGAATTATTCTGTAATTTCTG
 AAGAATCCAAATCCTGTCTTTATAAAGTCAGAAACAGAAAGGGGGCAAAAGGTGGTGGTG
 AGCATCAAGAGAGAAAAAGGAGAAAAATTTTACAGAAAATAGGAGACAGGAGGGAGTG
 TCCGCAAGAAAAGACTTCATTGTCACTTCTTCTTCCCGGCCCTTTGGCACTGGACTTTG
 CTTTGGGTTTCACTGGTTTGGCCTTTTTGGGCTTGGATGCCTTGACCGGCTTGGCTTTGA
 CAGTCTTGGGTTTTTTGGCTTTCTTGGCGTGGCAGCCAGCTTCTTCTTGGCCTTCTTGA
 CCGGGGTGGCTTTGGGTTTCTTGGTTGGGGCTTTGGAGGCAGCCTTCTTGGGCTTGGATG
 CCTTCTTGGCGTGGCTACCTTCTTGTATTTCTTCTTGGTCTTCTTGAAGGCCACTGACT
 TCTTGGGTTCTGTCGCTCTTGGCTAGCCGGAAGGACCCCGAGGCCCCACCCCTTTGGTCT
 GCTTGAGGACACCGGTGGTGACCAGGCGCTTGTGGAACACTTGATCTGCGAGTCAGCGT
 TCTCACCACCTTGTAGTGGCTTTGATATACTTCTGAATGGACTGGCGCGAGGAGCCAG
 CGCGGTTCTTCTCGGCTGGATGGCAGCCACGATCATGTCTGAAATACTTGGGTTGGNTC
 TGTGGACTTCTTGAAGGCCTTGCNCCGCTTGGGCTTGGCCGACGGCCGACGTGGAAA
 TTCTCGTCATGGTGGNCTGTCTGGTCCNGGCTGTGAAGGCGCTTNCAAAGGCCAGNNCTC
 GTCGAGCTAGCAAANCTGCTTGAATCTGTCTGGACCCTGACTACGGCAGTCTGAATGC
 GGTTCCGGAATGCAGCGAGGATCCTGCTTTTCTTCCGTTCCGGGTCCGGAACTCCCGAAC
 CGCTTTGAGGCCAACCCCGGTTTTTTTTGGTTTNCAGGTTTTTCTTGCCTTTCTCCCT
 TTA

Restriction Sites:

NotI-NotI

ACCN:

NM_005318

Insert Size:

1210 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:

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_005318.2](#), [NP_005309.1](#)

RefSeq Size: 2258 bp

RefSeq ORF: 585 bp

Locus ID: 3005

UniProt ID: [P07305](#)

Cytogenetics: 22q13.1

Domains: linker_histone

Protein Families: Druggable Genome

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-independent histone that is a member of the histone H1 family. [provided by RefSeq, Oct 2015]