

Product datasheet for **SC116824**

H3.3B (H3F3B) (NM_005324) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H3.3B (H3F3B) (NM_005324) Human Untagged Clone
Tag:	Tag Free
Symbol:	H3.3B
Synonyms:	H3-3A; H3.3B; H3F3B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116824 sequence for NM_005324 edited (data generated by NextGen Sequencing) ATGGCCCGAACCAAGCAGACTGCTCGTAAGTCCACCGGTGGGAAAGCCCCCGCAACAG CTGGCCACGAAAGCCGCCAGGAAAAGCGCTCCCTCTACCGCGGGGTGAAGAAGCCTCAT CGCTACAGGCCCGGGACCGTGGCGCTTCGAGAGATTTCGTCGTTATCAGAAGTCGACCGAG CTGCTCATCCGGAAGCTGCCCTTCCAGAGGTTGGTGAGGGAGATCGCGCAGGATTTCAA ACCGACCTGAGGTTTCAGAGCGCAGCCATCGGTGCGCTGCAGGAGGCTAGCGAAGCGTAC CTGGTGGGTCTGTTCGAAGATACCAACCTGTGTGCCATCCACGCTAAGAGAGTCACCATC ATGCCAAAGACATCCAGTTGGCTCGCCGATACGGGGAGAGAGAGCTTAA Clone variation with respect to NM_005324.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005324 unedited
 NGTGTGCACCATTATGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGT
 TTTTCGCTCGTCGACTGCGGCTCTTCTCGGGCAGCGGAAGCGGCGGCGGTCCGAGAA
 GTGGCCTAAAACCTTCGGCGTTGGGTGAAAGAAAATGGCCCAACCAAGCAGACTGCTCGT
 AAGTCCACCGGTGGGAAAGCCCCATGCAAACAGCTGGCCACGAAAGCCGCCAGGAAAAG
 CGCTCCCTCTACCGGCGGGGTGAAGAAGCCTCATCGCTACAGGCCCGGACCGTGGCGCT
 TCGAGAGATTTCGTGTTATCAGAAGTCGATCCGAGCTGCTCATCCGGAAGCTGCCCTTCC
 AGAGTTGGTGAGGGAGATCGCGCAGGATTTCAAACCGACCTGAGGTTTCAGAGCGCAG
 CCATCGGTGCGCTGCAGGAGGCTAGCGAAGCGTACCTATGTGGTCTGTTCAAGATAACC
 AACCTGTGTGCCATCCACGCTAAGAGAGTCACCATCATGCCCAAATACATCCAGTTGGCT
 CGCCGGATACGGNGAGAGAGAGCTTAAGTGAAGGCAGTTTTTATGGCGTTTTGTAGTAA
 TTCTGTAAAATACTTTGGTTAATTTGTGACTNTTTTTGTAAGAAATTGTTTATAATATG
 TTGCATTTGTAAGTCAATCCATCTTCACTCANGATGAATGCGAAAAGTACTGTT
 CACAGACCTCAGTGTGAGCACTGTTGCTCANGAGTACAAGTTGCTAATATGCAGAA
 GGGATGGGTGATACTTCTTCTCATGATGCATGTTTCTGTATGTTAATGACTTGTG
 GGTAGCTATTAAGTACTAGAGTTGATTAATGTGTACAGGGTCCTTTTGCATANAACATTT
 ATGATCTGATCCAGTGTACTACAATGGGCTGTTAATCTGACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005324 unedited
 CACCACCCCAAAACATCCTTCTTTCCCTTTTATTTGCCCGCGGCCGATTCTANGAT
 CGGTTTTTTTTTTTTTTTTTTGGGAAAACAAGTTTATTTGTAATTTAGTCAACATACAT
 AATTGACCTAAAACTTCAGTAAATTTAAAACCACTTGCGAAGGCCATCTCTATAAAAA
 TGATTTTCCCAGGACAGTAACCAGATGTAACTAACCAACACCATCTTAATTGGCAGAG
 GTTCAGTGGGCTGGAGTTTTGTGCTCCTCCCCACACCAAGTTTTATAATACAAATGCC
 ACAAGAAAAAGAACTTCGGTACTGTTTCCTCAGCAGAGGAGAAAACTCAACCTAGTTAT
 GAGACCAACCACACAACAATGAAAAGCTGCACTAACTAGTTTCAAGATGTTAGTTAAGA
 TGATGCTGGTGTGAATAACTCGCTTTTTCTAGAGCCCTATAAATAAAATCCCCCAGTTA
 GTGTTTGCATTATCAGCTACAGGGTTAACATGTGGTACAATGAGGACTTATGCAAGGCAT
 AAATGCGCATAGCATTACTACTATGAGAACAAGTGCAGTCAGAAGAAAACCACTGGAC
 TCTAAATTACACCCACCTAATGACCAGACTCCCACCACTTGTGAATGTACAACACTCC
 ACTTTAAAAACGTCGATCCTACCATATATAAATAAGCTATTATAACTGCACATACTGCAT
 TCTATTACCGCCAGGCTTACTTTTTTTTTTTTTTAAAGGAAAACCTGTAAGTCACCCCTGCG
 GGTAAAACCTCGTACTTTCAACCCTTGAAGAAAGCCCAACTTTTTTTCACAGGGATGTATG
 GCCCACATTTACCGCCCCATTGGTAAACCCTGGGATTCAATCATAACACCTTTTTTTTTG
 GCAAAGGACCCTGGAAAATTTACAACCCTTAGACCCTTCATAG

Restriction Sites:

NotI-NotI

ACCN:

NM_005324

Insert Size:

1730 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_005324.3 , NP_005315.1
RefSeq Size:	2753 bp
RefSeq ORF:	411 bp
Locus ID:	3021
UniProt ID:	P84243
Cytogenetics:	17q25.1
Domains:	H3, 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. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene contains introns and its mRNA is polyadenylated, unlike most histone genes. The protein encoded by this gene is a replication-independent histone that is a member of the histone H3 family. Pseudogenes of this gene have been identified on the X chromosome, and on chromosomes 5, 13 and 17. [provided by RefSeq, Oct 2015]