

Product datasheet for SC117925

H2BC4 (NM_003526) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2BC4 (NM_003526) Human Untagged Clone
Tag:	Tag Free
Symbol:	H2BC4
Synonyms:	dj221C16.3; H2B.1; H2B/l; H2BC6; H2BC7; H2BC8; H2BC10; H2BFL; HIST1H2BC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003526, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGAGCCAGCCAAGTCTGCTCCCGCCCCGAAGAAGGGCTCCAAGAAGGCAGTGACCAAGCGCAGA
AGAAAGATGGCAAGAAGCGCAAGCGCAGCCGCAAGGAGAGTTACTCTGTGTACGTGTACAAGGTGCTGAA
ACAGGTCCATCCCGACTGGCATCTCTTCCAAGGCCATGGGCATCATGAATTCTTTGTTAACGACATA
TTTGAGCGCATCGCGGGCGAGGCTTCCCGCCTGGCGCATTACAACAAGCGCTCGACCATCACCTCCAGGG
AGATCCAGACGGCCGTGCGCCTGCTGCTTCCCGGAGAGCTGGCCAAGCACGCCGTGTCGGAGGGCACCAA
GGCCGTCACCAAGTACACCAGCTCCAAGTAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003526 unedited
CACGAGGCAGTGTCTAACTATTAACGCTACGATGCCTGAACCTACCAAGTCTGCTCCTG
CCCCAAAGAAGGGCTCCAAGAAGGCGGTGACTAAGGCTCAGAAGAAGGACGGGAAGAAGC
GCAAGCGCAGCCGCAAGGAGAGCTATTCAGTGTATGTGTACAAGGTGCTGAAGCAGGTCC
ATCCCGACACCGGCATCTCTTCCAAGGCAATGGGGATCATGAATTCCTTCGTCAACGACA
TCTTCGAGCGCATCGCAGGCGAGGCTTCCCGCCTGGCGCATTACAACAAGCGCTCGACCA
TCACCTCCAGGGAGATCCAGACGCCGTGCGCCTGCTGCTTCCGGGGAGCTGGCCAAGC
ACGCCGTGTCGGAGGGCACCAAGGCCGTACCAAGTACACCAGTTCCTCAAGTAACTTTGCC
AAGTAAGCATCTTTACACCTAATCCCAAAGGCTCTTTAAGAGCCACGCATGTTTTCAAT
AAATGAGTTGTAATCATTTCATTANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAACC
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Protein Families: Stem cell - Pluripotency

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. The protein has antibacterial and antifungal antimicrobial activity. The main transcript variant of this gene is intronless and encodes a replication-dependent histone that is a member of the histone H2B family. This transcript variant lacks a polyA tail but instead contains a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6. [provided by RefSeq, Apr 2020]