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Product datasheet for SC303617

Histone H1.5 (HIST1H1B) (NM_005322) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Histone H1.5 (HIST1H1B) (NM_005322) Human Untagged Clone
Tag:	Tag Free
Symbol:	Histone H1.5
Synonyms:	H1; H1.5; H1B; H1F5; H1s-3; HIST1H1B
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_005322 edited CCCTTAGCAGTTTCTTGCCACCATGTCGGAAACCGCTCCTGCCGAGACAGCCACCCCAGC GCCGGTGGAGAAATCCCCGGCTAAGAAGAAGGCAACTAAGAAGGCTGCCGGCGCCGGCGC TGCTAAGCGCAAAGCGACGGGGCCCCCAGTCTCAGAGCTGATCACCAAGGCTGTGGCTGC TTCTAAGGAGCGCAATGGCCTTTCTTTGGCAGCCCTTAAGAAGGCCTTAGCGGCCGGTGG CTACGACGTGGAGAAGAATAACAGCCGCATTAAGCTGGGCCTCAAGAGCTTGGTGAGCAA GGGCACCCTGGTGCAGACCAAGGGCACTGGTGCTTCTGGCTCCTTTAAACTCAACAAGAA GGCGGCCTCCGGGGAAGCCAAGCCCAAAGCCAAGAAGGCAGGCGCCGCTAAAGCTAAGAA GCCCGCGGGGGCCACGCCTAAGAAGGCCAAGAAGGCTGCAGGGGCGAAAAAGGCAGTGAA GAAGACTCCGAAGAAGGCGAAGAAGCCCGCGGCGGCTGGCGTCAAAAAGGTGGCGAAGAG CCCTAAGAAGGCCAAGGCCGCTGCCAAACCGAAAAAGGCAACCAAGAGTCCTGCCAAGCC CAAGGCAGTTAAGCCGAAGGCGGCAAAGCCCAAAGCCGCTAAGCCCAAAGCAGCAAAACC TAAAGCTGCAAAGGCCAAGAAGGCGGCTGCCAAAAAGAAGTAGGAAGCTGGCGTGTGAAA GGGCGAATTCAGATCTGGTACCGAT

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005322 unedited
GGAAGTCGAAATTGTATACGACTCATATAGGGCGGCCGCGAATCGCCCTTAGCAGTTTCT
TGCCCCATGTCGGAAACCGCTCCTGCCGAGACAGCCACCCCAGCGCCGGTGGAGAAATCC
CCGGCTAAGAAGAAGGCAACTAAGAAGGCTGCCGGCGCCGGCGCTGCTAAGCGCAAAGCG
ACGGGGCCCCCAGTCTCAGAGCTGATCACCAAGGCTGTGGCTGCTTCTAAGGAGCGCAAT
GGCCTTTCTTTGGCAGCCCTTAAGAAGGCCTTAGCGGCCGGTGGCTACGACGTGGAGAAG
AATAACAGCCGCATTAAGCTGGGCCTCAAGAGCTTGGTGAGCAAGGGCACCCTGGTGCAG
ACCAAGGGCACTGGTGCTTCTGGCTCCTTTAAACTCAACAAGAAGGCGGCCTCCGGGGAA
GCCAAGCCCAAAGCCAAGAAGGCAGGCGCCGCTAAAGCTAAGAAGCCCGCGGGGGCCACG
CCTAAGAAGGCCAAGAAGGCTGCAGGGGCGAAAAAGGCAGTGAAGAAGACTCCGAAGAAG
GCGAAGAAGCCCGCGGCGGCTGGCGTCAAAAAGGTGGCGAAGAGCCCTAAGAAGGCCAAG
GCCGCTGCCAAACCGAAAAAGGCAACCAAGAGTCCTGCCAAGCCCAAGGCAGTTAAGNCC
GAAGCGGCAAAGCCCAAAGCCGCTAAGCCCAAAGCAGCAAAACCTAAAGCTGCAAAGGCC
AAGAAAGCGGCTGCCAAAAAGAAGTANGAAGCTGGCGTGTGANAGGGCGAATTCAGATCT
GGTACCGATATCAAGCTTGTCGACTCTAGAATGCCGGCCGCGGTCATAGCTGTTTCCTGA
ACAGATCCCGGGTGGCATCCCTGGGACCCCTCCCAATGCCTCTCCTGGCCCTGGAAGTGC
CACG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005322 unedited
GGGTTATTTGTACCGCGCCGCATTCTANGTNCGACAGNCTTGCAATCGGTACCANATCTG
AATTCGCCCTTTCACACGCCAGCTTCCTACTTCTTTTTGGCAGCCGCCTTCTTGGCCTTT
GCAGCTTTAGGTTTTGCTGCTTTGGGCTTAGCGGCTTTGGGCTTTGCCGCCTTCGGCTTA
ACTGCCTTGGGCTTGGCAGGACTCTTGGTTGCCTTTTTCGGTTTGGCAGCGGCCTTGGCC
TTCTTAGGGCTCTTCGCCACCTTTTTGACGCCAGCCGCCGCGGGCTTCTTCGCCTTCTTC
GGAGTCTTCTTCACTGCCTTTTTCGCCCCTGCAGCCTTCTTGGCCTTCTTAGGCGTGGCC
CCCGCGGGCTTCTTAGCTTTAGCGGCGCCTGCCTTCTTGGCTTTGGGCTTGGCTTCCCCG
GAGGCCGCCTTCTTGTTGAGTTTAAAGGAGCCAGAAGCACCAGTGCCCTTGGTCTGCACC
AGGGTGCCCTTGCTCACCAAGCTCTTGAGGCCCAGCTTAATGCGGCTGTTATTCTTCTCC
ACGTCGTAGCCACCGGCCGCTAAGGCCTTCTTAAGGGCTGCCAAAGAAAGGCCATTGCGC
TCCTTAGAAGCAGCCACAGCCTTGGTGATCAGCTCTGAGACTGGGGGCCCCGTCGCTTTG
CGCTTAGCAGCGCCGGCGCCGGCAGCCTTCTTAGTTGCCTTCTTCTTAGCCGGGGATTTC
TCCACCGGCGCTGGGGTGGCTGTCTCGGCAGGAGCGGTTTCCGACATGGTGGCAAGAAAC
TGCTAAGGGCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTACANAATTCTGACGGTTC
ACTAAACGAGCTCTGCTTATATAGACCTCCCACCGTACACGCCTACCGCCCATTGC

Restriction Sites: Please inquire

ACCN: NM_005322

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: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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_005322.2, NP_005313.1
RefSeq Size:	790 bp
RefSeq ORF:	681 bp
Locus ID:	3009
UniProt ID:	P16401
Cytogenetics:	6p22.1
Gene Summary:	Histones are basic nuclear proteins responsible for 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 is intronless and encodes a replication-dependent histone that is a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015]