

Product datasheet for SC126136

Histone H3.3C (H3F3C) (NM_001013699) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Histone H3.3C (H3F3C) (NM_001013699) Human Untagged Clone
Tag:	Tag Free
Symbol:	Histone H3.3C
Synonyms:	H3.5; H3F3C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001013699 edited
GGCTCTTCTCGGGCAGCGGAAGCAGCGCGGAGGTCGGAGAAGTGGCCTAAAACCTCGGG
GTTGGGTGAAAGAAAATGGCCCCAAGCAAGCAGACTGCTCGTAAATCCACCGTGGGAAA
GCCCCCGCAAACAGCTGGCCACGAAAGCTGCCAGGAAAAGCACCCCTCTACCTGCGGG
GTGAAGCCTCATCGCTACAGCCTGGGACCGTGGCGCTTCGAGAGATTTCGTCGTTATCAG
AAGTCGACCGAGCTGCTCATCCGGAAGCTGCCCTCCAGAGGTTGGTGAGGGAGATCGCG
CAGGATTTCAACACTGACCTGAGGTTTCAGAGCGCAGTCGTCGGTGCCTGCAGGAGGCT
AGCGAAGCGTACCTGGTGGGTCTGTTGGAAGATACTAACCTGTGTGCCATCCACGCTAAG
AGAGTCACCATCATGCCAAAGACATCCAGTTGGCTCGCCGGATACGGGGAGAGAGACT
TAAGTGAAGGCAGTTTTTATGGCATTGTTAGTAAATTCGTAAAATACTTTGGTTTAAAT
TGTTGACTTTTTTTGTAAGAAATTGTTTATATGTTGCATTGTACTTAAGTCATTCCATC
TTTCACTCAGGATGAATGCGAAAAGTACTGTTTACAGACCTCAGTGATGTCAGCACTGT
TGCTCAGGAGTGACAAGTTGTTAATATGCAAAACGGATGCATGATATTTCTTGCTTCTCA
TGATGCATGTTTCTGTATGTTAATGACTTGTGGGTAGCTATTAAGGACTAGAAATTGAT
AAATGTGTACAACAGGGTCTTTTGAATAAAAACCTGGTTATGACTTGATCCAAGTGTGTTA
ACAATTGGGGCTGTTAAGTCTGACCATACATCACTGTGATAGAATGTAGGCTTTTTCAAG
GGTGAAGATACAAACCTTAACCACAGTGAACCTTATAGTTTCTTTAAAAAAAAAAATTA
AACCTGGCAGCTATAGAATACAATATGTGCATTTATAATAGCTATTTTATATATTGTAGT
GTCGACATTTTCAAATTAATGTTTTACATTCACAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001013699 unedited CGATTTTGTATACGACTTACTTAGGCGGCCGCATAAAGTCTTAGCATACATTATACAATT ATGGATCAGGCCGGGGGGGAGCTCGAATTCGTGAGAGCGGGGCTCTTCTCGGGCAG CGGAAGCAGCGCGGAGGTTCGAGAAAGTGGCCTAAAAGTTCGGCGTTGGGTGAAAGAAAAT GGCCCGAAACCAAGCAGACTGCTCGTAAATCCACCGGTGGGAAAGCCCCGGGGAGGGGT GGCCACGAAAGCTGCCAGGAAAAGCACCCCTCTACCTGCGGGGTGAAGCCTCATCGCTA CAGGCTGGGACCGTGGCGCTTCGAGAGATTTCGTCGTTATCAGAAGTCGACCGAGCTGCT CATCCGGAAGCTGCCCTTCCAGAGTTGGTGAGGAGATCGCGCAGGATTCAACACTGA CCTGAGGTTTCAGAGCGATTTCGTCGGTGCCTGCAGGAGGCTAGCGAAGCGTACCTGGT GGGTCTGTTGGAAGATACTAACCTGTGTGCCATCCACGCTAAGAGAGTCCCATCATGCC AAAGACATCCAGTTGGCTCGCCGGAACGGGGAGAGAGAGCTAAGTGAGGCCAGTCTTA TGGCATTGGGAGAAATCTGTAATACTTGGTTAAATGGGGGATTTGTTTGAAGAAA TTGTTATATGTGCATTGTGCTTAAGTATTCCATCTTTCACGCGGATGAATGCGAAAAG TGGCGTGTACAGACCTCAAGGATGGCAACGCTGGTCTCAGGAGGGCCGGTGGTAAAA GCCAAACGGAGGCTGGATTTTCTGGCTCTGAGAGGGCAGGTCTTGGTTGCTAAAGACGT GGTGGCGGACCTATTAGGCGCGAGTTGGAGAAGGGGGCGCACCGGGTCTTTGTAGAC AGACCGGGTGTACTTTGTCCGGGGGTGAACATTGGGGGGTTC
Restriction Sites:	NotI-NotI
ACCN:	NM_001013699
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:	<u>NM_001013699.1</u> , <u>NP_001013721.1</u>
RefSeq Size:	1070 bp
RefSeq ORF:	408 bp
Locus ID:	440093
UniProt ID:	<u>Q6NXT2</u>
Cytogenetics:	12p11.21
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 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. [provided by RefSeq, Oct 2015]