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Product datasheet for SC117917

H2BC8 (NM_003518) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2BC8 (NM_003518) Human Untagged Clone
Tag:	Tag Free
Symbol:	H2BC8
Synonyms:	dJ221C16.8; H2B.1A; H2B/a; H2BC4; H2BC6; H2BC7; H2BC10; H2BFA; HIST1H2BG
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003518, the custom clone sequence may differ by one or more nucleotides

ATGCCTGAACCAGCTAAGTCAGCTCCTGCTCCGAAGAAGGGTTCCAAGAAGGCTGTGACCAAGGCGCAGA
AGAAGGATGGCAAGAAGCGCAAGCGCAGTCGTAAGGAGAGCTACTCCGTGTATGTGTACAAGGTGCTAAA
ACAGGTTCACCCCGATACTGGCATCTCATCCAAGGCCATGGGCATCATGAATTCCTTCGTTAACGACATC
TTCGAACGCATCGCAGGCGAGGCTTCCCGTCTGGCCCACTACAACAAGCGCTCGACCATTACCTCCAGGG
AGATCCAGACCGCCGTGCGTCTGCTGCTTCCCGGAGAGCTGGCCAAGCACGCAGTGTCCGAAGGTACCAA
GGCTGTCACCAAGTATACAAGCTCCAAGTAA

Restriction Sites:	NotI-NotI
ACCN:	NM_003518
Insert Size:	2170 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).

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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_003518.3, NP_003509.1
RefSeq Size:	445 bp
RefSeq ORF:	381 bp
Locus ID:	8339
UniProt ID:	P62807
Cytogenetics:	6p22.2
Domains:	H2B, 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. 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. The protein has antibacterial and antifungal antimicrobial activity. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2B family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015]