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Product datasheet for MC214396

H2bc21 (NM_178214) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2bc21 (NM_178214) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	H2bc21
Synonyms:	AV127319; H2b-613; Hist2h2; Hist2h2be; T25626
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214396 representing NM_178214 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCTGAACTGGCCAAATCTGCCCCGGCTCCCAAGAAGGGTTCCAAGAAGGCTGTCACCAAGGCGCAAA AGAAAGATGGCAAGAAGCGCAAGCGCAGCCGCAAGGAGAGCTACTCCATCTATGTGTACAAAGTGCTGAA GCAGGTGCACCCGGACACCGGCATCTCGTCCAAGGCCATGGGCATCATGAACTCGTTTGTCAATGACATC TTTGAGCGCATAGCAAACGAGGCTTCTCGCCTGGCGCATTACAACAAGCGGTCTACAATCACATCGCGGG AGATCCAGACGTCGGTGCGCCTTCTACTGCCCGGAGAACTGGCCAAGCACGCCGTGTCGGAGGGCACCAA GGCCGTCACCAAGTACACCAGCGCCAAGTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_178214
Insert Size:	381 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).

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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_178214.4, NP_835586.2
RefSeq Size:	2667 bp
RefSeq ORF:	381 bp
Locus ID:	319190
UniProt ID:	Q64524
Cytogenetics:	3 F2.1
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 encodes a replication-dependent histone that is a member of the histone H2B family, and generates two transcripts through the use of a putative stem-loop termination motif, and the polyA addition motif. [provided by RefSeq, Aug 2015]