

Product datasheet for MC225772

H2bc4 (NM_001290380) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2bc4 (NM_001290380) Mouse Untagged Clone
Tag: Tag Free
Symbol: H2bc4
Synonyms: 2610022J01Rik; H2bc6; H2bc8; H2bf; H2bfs; Hist1h2; Hist1h2bc; R74621
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225772 representing NM_001290380
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGAGCCTGCGAAGTCCGCTCCCGCCCCGAAGAAGGGCTCCAAGAAGGCCGTGACCAAGGCCCAGA
 AGAAGGACGGCAAGAAGCGCAAGCGCAGCCGCAAGGAGAGCTACTCGGTGTACGTGTACAAGGTGTGAA
 GCAAGTGCACCCGACACCGGCATCTCCTCCAAGGCCATGGGCATCATGAACTCGTTCGTGAACGACATC
 TTCGAGCGCATCGCGGGCGAGGGCTCCCGCCTGGCGCATTACAACAAGCGCTCGACCATCAGTCCCGGG
 AGATCCAGACGGCCGTGCGCCTGCTGCTGCCCGGGGAGCTGGCCAAGCACGCGGTGTCGGAGGGCACCA
 GGCCGTACCAAGTACACCAGCTCCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290380
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).
OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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_001290380.1, NP_001277309.1</u>
RefSeq Size:	469 bp
RefSeq ORF:	381 bp
Locus ID:	68024
UniProt ID:	<u>Q6ZWY9</u>
Cytogenetics:	13 A3.1
Gene Summary:	<p>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 the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq, Aug 2015]</p> <p>Transcript Variant: This variant (2) is intronless and differs from variant 1 in its 3' UTR which contains a palindromic termination sequence. Variants 1 and 2 encode the same protein.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>