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Product datasheet for MC225777

H2bc22 (NM_001290466) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2bc22 (NM_001290466) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	H2bc22
Synonyms:	Hist1h; Hist1h2bp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225777 representing NM_001290466 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCTGAGCCTGTTAAGTCCGTTCCCGCCCCGAAGAAGGGCTCCAAGAAGGCCGTCACCAAGGCCCAAA AGAAGGATGGCAAGAAGCGCAAGCGCAGCCGCAAGGAGAGCTACTCGGTGTACGTGTACAAGGTGCTGAA GCAAGTGCACCCCGACACCGGCATCTCCTCCAAGGCCATGGGCATCATGAACTCGTTCGTGAACGACATC TTCGAGCGCATCGCGAGCGAGGCGTCCCGCCTGGCGCATTACAACAAGCGCTCGACCATCACGTCCCGGG AGATCCAGACGGCCGTGCGCCTGCTGCTGCCCGGGGAGCTGGCCAAGCACGCGGTGTCGGAGGGCACCAA GGCTGTCACCAAGTACACCAGCTCCAAGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001290466
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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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:	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_001290466.1, NP_001277395.1
RefSeq Size:	456 bp
RefSeq ORF:	381 bp
Locus ID:	319188
UniProt ID:	Q8CGP2
Cytogenetics:	13 A3.1
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 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] Transcript Variant: This variant (2) is intronless and contains a palindromic termination sequence instead of a polyA signal and tail, compared to variant 1. It encodes isoform 2 which has a shorter C-terminus compared to isoform 1. 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. ##RefSeq-Attributes-START## replication-dependent histone :: PMID: 12408966 ##RefSeq-Attributes-END## COMPLETENESS: complete on the 3' end.