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Product datasheet for MC214373

H2ac6 (NM_178189) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2ac6 (NM_178189) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	H2ac6
Synonyms:	Hist1h; Hist1h2ac
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC214373 representing NM_178189
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTGGACGTGGTAAGCAGGGCGGCAAGGCTCGCGCCAAGGCCAAGACCCGCTCCTCCCGGGCCGGCC
TGCAGTTCCCCGTGGGCCGCGTGCACCGGCTGCTCCGCAAGGGTAACTACTCGGAGCGCGTGGGCGCCGG
CGCCCCGGTCTACCTGGCGGCCGTGCTGGAGTACCTGACGGCCGAGATCCTGGAGCTGGCGGGCAACGCG
GCCCGCGACAACAAGAAGACGCGCATCATCCCGCGCCACCTGCAGCTGGCCATCCGCAACGACGAGGAGC
TCAACAAGCTGCTGGGCCGCGTGACCATCGCGCAGGGCGGCGTCCTGCCCAACATCCAGGCCGTGCTGCT
GCCCAAGAAGACCGAGAGCCACCACAAGGCCAAGGGGAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_178189
Insert Size:	393 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.
RefSeq:	NM_178189.5, NP_835496.1
RefSeq Size:	487 bp
RefSeq ORF:	393 bp
Locus ID:	319164
UniProt ID:	C0HKE9
Cytogenetics:	13 A3.1
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 is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. [provided by RefSeq, Aug 2015]

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