

## Product datasheet for **MC200475**

### **H1f0 (NM\_008197) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	H1f0 (NM_008197) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	H1f0
Synonyms:	D130017D06Rik; H1(0); H1-0; H1f; H1fv
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC003830 sequence for NM\_008197  
 GGAAAAGGGAGGCTGTGGAGCGGAGGCAGCGCCAGGCGCCGGGCGAGCGACCGAACGGTGGGGGCTGGG  
 AGCGCAGAGCAGCTCGCGACCCGCGCCGGGAGGACAGGAGCCACGCGTAGCCCGCGTCCCGGCAGCCCG  
 ACTTGCGTCTGGCCTGCTAGTGGAGCGGGAGAGCAGATCGCGAGTCAGGTTCTGCACAGCCTCCGGCGAG  
 GGCTGGCCCATCGAAGGCTCCTTGAACAGTGGGAGCAGGCCGGCCACCATGACCGAGAACTCCACCTCC  
 GCCCGGGCGGCGAAGCCCAAACGGGCAAGGCTTCCAAGAAGTCCACGGACCACCCAAAGTATTCAGACA  
 TGATCGTGGCTGCTATCCAGGCAGAGAAGAACCCTGCCGGCTCCTCGCGCCAGTCCATCCAAAAGTATAT  
 CAAGAGCCACTACAAGGTGGGTGAGAACGCCGACTCCCAGATCAAGTTGTCCATCAAGCGCCTAGTGACC  
 ACCGGTGTCTCAAGCAAACCAAAGGGTGGGCGCCTCGGGTCTTTCAGGCTGGCCAAGGGCGATGAGC  
 CAAAAGGTGGTGGCTTTCAAGAAGACCAAGAAGGAAGTCAAGAAAGTGGCCACTCCAAAGAAGGCAGC  
 CAAGCCCAAGAAGGCTGCCTCCAAAGCCCAAGCAAGAAACCCAAAGCCACCCCTGTCAAGAAGGCCAAG  
 AAGAAGCCGGCTGCCACGCCAAGAAAGCCAAAAGCCAAAGTTGTCAAAGTCAAACAGTCAAGGCCCT  
 CCAAACCAAGAAGGCCAAAACCGTGAAGCCAAAGCCAAAGTTCGAGTGCCAAGAGGGCCAGCAAGAAGAA  
 GTGAAGACTTTGCTTGGGACACTCCTTCTCCCTCCTGTTTTCTGTAATACATTTCTCACTTGATTC  
 CATCTGCAACCCTTTGCCATTCTATTCTGACTTTATTAAGAGGACAGAGTTTGGATCCCTCATACAGA  
 CATTGTGGAATGACTCCTTTTTCTTAACCTATTGTGCAAGGACAGCAAACAGACCTCATCTTTGTAAATG  
 ATGGAGACGTACTTTTTCTTGATTTGATTAACCTTCTTACGGGGTATGGGATGGGAGGGGGGAGGAT  
 GTGTGTTTCAGTCGGTGGTGTGTTACTATGAAGGAAGTGGCAAAGTCTGGCTAGGTGAGGGGACCCAG  
 GAACTAAGGTTTGTCTTCCAAGACTTTCTTAGACTGCTTGTCCCTCGTGAGCTTTTCAAACCTTTGATG  
 GGGAGCAGGTGACACCCACCTAGCTGGCAAGGAGGGAGGGAAAATCCCTGGGCTGCCTACCAACG  
 GTGGTAAGTTGGAGACCTGGTTGCTTTTTCTTCTTGCCTAGTGCCTCCCATTGTCTAAAGGGGCAAA  
 GGGTCCAAAGTGACAGCTGGTTAGAGAAGCCATAGCTTCTCACAACCAGGATCTAGCCATTGGGAAGGAG  
 GGTCTTTTTTCAGTAGTCTCTGGTTAAATGCGAGTGGACTTAGGGGGAGGGGTGGGTAATCAGCCAAGTG  
 CCTCAGTGTGCCTATGGAAACTTGGGTTTTTTCCACACGATTGATGGATTGCGTCCCTAGCAGGACTTTGT  
 ACGTTTTCTTTCTCCCTTCTGTGTAAGATGTGGCTTTGCTTGGTGCCGCTTACAGTCTACCAGTCTGC  
 CACTTAAACCCCTCCAACCTCTTTACTCTTTGAGTTTTTTTTCTAAGTAGCGGAGGAGGGGAGAGGCA  
 GGGAGTGGACTGTAAGACATACTCCAGTTGATTGCAATTTGCTAGGTAGCTTTAGAGAGGCGAGGATTGTG  
 TGCATGTGTATATGTATATATCCATATCTAAGACTAGGACTTAGTCTCACTTCGGGAGCTGGGAGAAA  
 AAAATCTGTACAGTTGTCTTTCTTTATTTAATAAAAATTAGAACTCGCGACCCTACCCACCCCTTT  
 TTAACAAGTGAAGTACTAGTCCCGGAGAAATTACTGTGGTTGTAATTTTAAACTTTAAATAAAACTG  
 GAAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_008197

**Insert Size:** 585 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).

**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:** [BC003830](#), [AAH03830](#)

**RefSeq Size:** 2072 bp

**RefSeq ORF:** 585 bp

**Locus ID:** 14958

**UniProt ID:** [P10922](#)

**Cytogenetics:** 15 37.7 cM

**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 is intronless and encodes a replication-independent histone that is a member of the histone H1 family. [provided by RefSeq, Oct 2015]