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# Product datasheet for MC213169

## H1f10 (NM_198622) Mouse Untagged Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | H1f10 (NM_198622) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | H1f10 |
| **Synonyms:** | Gm461; H1-10; H1.10; H1fx; H1X |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **Fully Sequenced ORF:** | >MC213169 representing NM_198622<br>Red=Cloning site Blue=ORF Orange=Stop codon<br><br>TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCCGCGATCGCC<br><br>ATGTCGGTGGAGCTTGAGGAGGCCCTGCCGCCAACGAGCGCCGACGGGACGGCCCGCAAGACGGCCAAGG<br>CCGGCGGCTCTGCGGCGCCCACGCAGCCCAAGAGAAGGAAGAACCGCAAGAAGAACCAGCCAGGCAAGTA<br>CAGCCAGCTGGTGGTGGAGACCATCCGCAAGCTGGGGGAGCGCGGCGGCTCGTCTCTGGCGCGCATCTAC<br>GCTGAGGCCAGGAAGGTGGCATGGTTCGACCAGCAGAACGGGCGCACCTACCTCAAGTACTCTATCCGGG<br>CGCTGGTGCAGAACGATACGCTACTGCAGGTGAAGGGCACCGGCGCCAACGGATCCTTCAAGCTGAACCG<br>CAAGAAGCTGGAGGGCGGCGCGGAGCGGCGCGGAGCTTCGGCGGCCAGCAGCCCCGCGCCCAAGGCGCGC<br>ACGGCGGCGGCGGACAGAACGCCCGCCAGGCCGCAGCCGGAGCGGCGCGCGCACAAGAGCAAGAAGGCGG<br>CGGCTGCTGCCAGCGCGAAGAAAGTGAAGAAGGCGGCCAAACCCAGCGTGCCCAAGGTGCCCAAGGGCCG<br>CAAGTGA<br><br>ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT<br>ACAAGGATGACGACGATAAGGTTTAA |
| **Restriction Sites:** | SgfI-MluI |
| **ACCN:** | NM_198622 |
| **Insert Size:** | 567 bp |

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| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_198622.1, NP_941024.1 |
| **RefSeq Size:** | 1126 bp |
| **RefSeq ORF:** | 567 bp |
| **Locus ID:** | 243529 |
| **Cytogenetics:** | 6 D1 |
| **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-independent histone that is a member of the histone H1 family. [provided by RefSeq, Nov 2015] |