

Product datasheet for MC211029

H1f7 (NM_027304) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H1f7 (NM_027304) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	H1f7
Synonyms:	1700026P10Rik; H1-7; H1.7; H1fn; H1fnt; H1t2; Hanp1; mH1t2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211029 representing NM_027304 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGGCTGTCCAGCCAGTGGGGAATCCCAAGGCGCAGAACTTACGATCCAGATCCAGCAGCCTG
CAGAGAGAGCCCTGAGAACGCCAGCCAAGCGGGGTACGCAGTCAGTGCTCAGAGTGTCCAGCTGCTGCT
CAGGGCCATTGCTGGCCACCAGCACCTGACTCTGGATGCGCTCAAGAAGGAGCTGGGAAACGCCGGCTAC
GAAGTGCCTGGGAGATCTCTCTACCACGAGGGGAAGTCCACCAGTTGGAGAAAGGCACGCTCCTGA
GGGTCAGTGGCAGCGACGCTGCTGGCTACTTCAGGGTCTGGAAGATTTCAAAGCCGAGGGAAAAGCGGG
ACAATCCCGTTGACGCTGGGCAGCCACTCTTCTGGGAAGACCGTGCTCAAATCCCCAGACCACTCAGG
CCCCGCTCGCGTCGCAAGGCAGCCAAGAAGGCCAGAGAAGTCTGGAGACGCAAGGCCAGGGCTTTGAAGG
CAAGGTCCAGGAGGGTCAGAACAAGGTCCACATCAGGGGCCAGATCAAGGACCAGGTCAAGAGCCTCTTC
AAGGGCACTTCAAGGGCCACATCAAGGGCCAGATCAAGAGCCCGGTCAAGGGCCAGTCAAGTGCCAGA
TCAAGCGCCAGGTCAAGCGCCAAGTCAAGCGCCAAGTCAAGCACCAGGTCTAGCGCCAAGTCATGGGCCA
GGTCAAAGGCTAGGTCAAGGGCAAGGTCTAGAGCTAAGGACCTAGTGCGTTCCAAAGCCGGGAACAGGC
TCAGGCCAGGGAACAGGCTCGTGCTAGAGCCAGGGAACAGGCTCATGCCAGAGCCAGGACACAAGACTGG
GTCAGGGCCAAGGCACAGGAGTTTGTAGTGCCAAAGAGCAGCAGTACGTACAGCCAAGGAGCAGGAGC
GTGCCAAGGCCAGGGAACAGGTGCGTATCGGAGCCAGGGATGAAGCCAGGATCAAGGCCAAAAGATTACAA
CAGAGTACGGCCTACAAAGGAAGACACCAAGTCTAGGCCAGCAGAGGAGAAGAGTTCAAAGTCCAAAGT
AGGGAAGAGAAGGGACAGGAACCCGAGAGGCCAGTAAACAGACCATCCAGAAACAGCTCTGGACAACG
CTCCCAGCATACAAGGAAAAGCATGCACAAAGTCTTTTACCAAAAGTGGTCAGCCTGGGGACACTGAGTC
TCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_027304
Insert Size:	1197 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_027304.2, NP_081580.2</u>
RefSeq Size:	1338 bp
RefSeq ORF:	1197 bp
Locus ID:	70069
UniProt ID:	<u>Q8CJL4</u>
Cytogenetics:	15 F1
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. This gene encodes a testis specific protein that is required for spermatogenesis and male fertility. [provided by RefSeq, Oct 2015]