

Product datasheet for MR201890

H1f0 (NM_008197) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H1f0 (NM_008197) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: H1f0
Synonyms: D130017D06Rik; H1(0); H1-0; H1f; H1fv
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201890 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCGAGAACTCCACCTCCGCCCGCGCGGAAGCCAAACGGGCCAAGGCTTCCAAGAAGTCCACGG
ACCACCCCAAGTATTCAGACATGATCGTGGCTGCTATCCAGGCAGAGAAGAACCCTGCCGGCTCCTCGCG
CCAGTCCATCCAAAAGTATATCAAGAGCCACTACAAGGTGGGTGAGAACGCCGACTCCAGATCAAGTTG
TCCATCAAGCGCCTAGTGACCACCGGTGTTCTCAAGCAAACCAAGGGGTGGCGCCTCGGGTCTTCA
GGCTGGCCAAGGGCGATGAGCCAAAAGGTCGGTGGCTTCAAGAAGACCAAGAAGGAAGTCAAGAAAGT
GGCCACTCCAAAGAAGGCAGCCAAAGCCAAAGAAGGCTGCCTCCAAAGCCCAAGCAAGAAACCCAAAGCC
ACCCCTGTCAAGAAGGCCAAGAAGAAGCCGGCTGCCACGCCAAAGAAAGCCAAAAGCCAAAGGTTGTCA
AAGTCAAACAGTCAAGGCCTCCAAACCAAGAAGGCCAAAACCGTGAAGCCAAAGCCAAGTTCGAGTGC
CAAGAGGGCCAGCAAGAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201890 protein sequence
 Red=Cloning site Green=Tags(s)

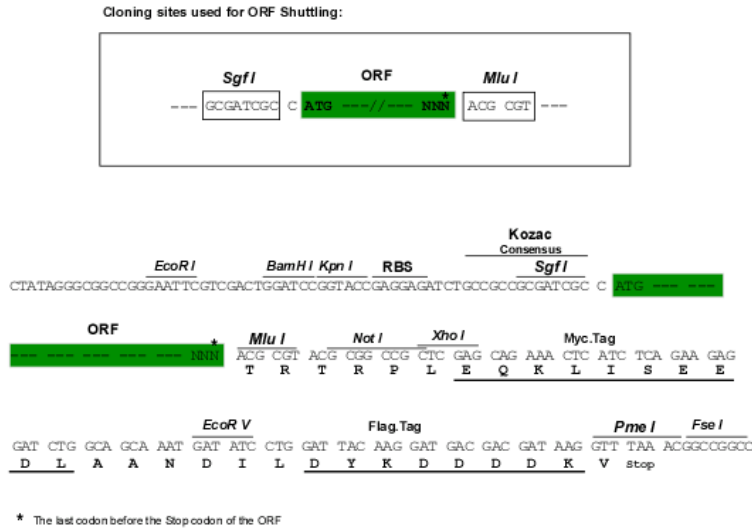
MTENSTSAPAAKPKRAKASKKSTDHPKYSDMIVAAIQAEKNRAGSSRQSIQKYIKSHYKVGENADSQIKL
SIKRLVTTGVLKQTKGVGASGSFRLAKGDEPKRSVAFKTKKEVKKVATPKKAAKPKKAASKAPSKKPKA
TPVKKAKKPAATPKKAKKPKVVKVPVKASKPKKAKTVKPKAKSSAKRASKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008197

ORF Size: 585 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_008197.3](#), [NP_032223.2](#)

RefSeq Size: 2304 bp

RefSeq ORF: 585 bp

Locus ID: 14958

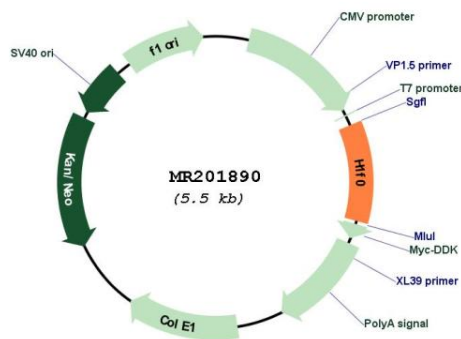
UniProt ID: [P10922](#)

Cytogenetics: 15 37.7 cM

MW: 20.9 kDa

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]

Product images:



Circular map for MR201890