

## Product datasheet for **RG205736**

### **H4C11 (NM\_021968) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** H4C11 (NM\_021968) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** H4C11  
**Synonyms:** dj160A22.2; H4-16; H4/e; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4C12; H4C13; H4C14; H4C15; H4F2iv; H4FE; HIST1H4J  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG205736 representing NM\_021968  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCTGGCCGCGCAAAGGCGGGAAGGGTCTTGGCAAAGGCGGCGCTAAGCGCCACCGTAAAGTACTGC  
GCGACAATATCCAGGGCATACCAAGCCGGCCATCCGGCGCCTTGCTCGCCGCGGCGGCGTGAAGCGCAT  
CTCCGGCCTCATCTACGAGGAGACTCGCGGGTGTGAAGGTGTTCTGGAGAACGTGATCCGGGACGCC  
GTGACCTATACAGAGCACGCCAAGCGCAAGACGGTCACCGCCATGGATGTGGTCTACGCGCTCAAGCGCC  
AGGGCCGACCCTCTACGGTTTCGGTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG205736 representing NM\_021968  
Red=Cloning site Green=Tags(s)  
MSGRGKGGKGLGKGGAKRHRKVLRDNIQGITKPAIRRLARRGGVKRISGLIYEETRGVLKVFLENVIRDA  
VTYTEHAKRKTVTAMDVVYALKRQGRPLYGFGG

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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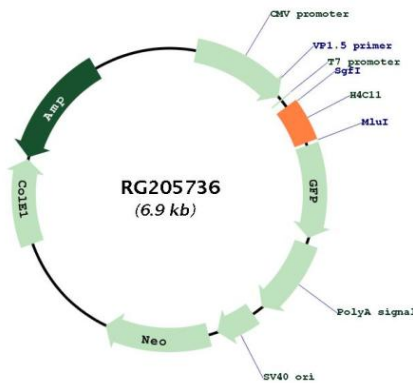
UniProt ID: [P62805](#)

Cytogenetics: 6p22.1

Protein Pathways: Systemic lupus erythematosus

**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 H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015]

**Product images:**



Circular map for RG205736