

Product datasheet for **RC215821**

H4C13 (NM_003546) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H4C13 (NM_003546) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	H4C13
Synonyms:	H4-16; H4.k; H4/k; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4C11; H4C12; H4C14; H4C15; H4FK; HIST1H4L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215821 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGGGCGCGCAAAGGCGGAAGGGTCTGGCAAAGGAGGCGCTAAGCGCCACCGCAAAGTTCTGC
GCGACAACATTCAGGGCATCACCAAGCCCGCCATCCGACGCCTGGCACGGCGTGGAGGCGTTAAGCGCAT
CTCAGGCCTTATACGAGGAGACACGCGGAGTTCTTAAAGTGTTTTGGAGAATGTAATCCGCGATGCA
GTTACCTACACGGAGCACGCCAAACGCAAGACAGTCACAGCCATGGACGTGGTTTACGCGCTCAAGCGCC
AGGGCCGACCCGTATGGCTTTGGCGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC215821 protein sequence Red=Cloning site Green=Tags(s)
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MSGRGKGGKGLGKGGAKRHRKVLRDNIQGITKPAIRRLARRGGVKRISGLIYEETRGVLKVFLENVIRDA
VTYTEHAKRKTVTAMDVVYALKRQGRTRYGFGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6473_c05.zip

Restriction Sites: Sgfl-MluI

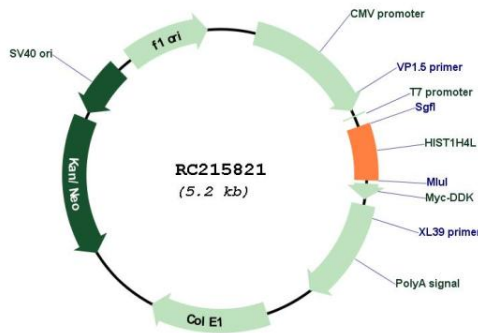


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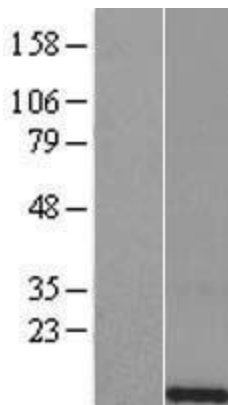
Cytogenetics: 6p22.1
Protein Pathways: Systemic lupus erythematosus
MW: 11.4 kDa

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 RC215821



Western blot validation of overexpression lysate (Cat# [LY418589]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215821 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).