

Product datasheet for RC216866L3

OriGene Technologies, Inc.

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HIST2H3C (H3C14) (NM_021059) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HIST2H3C (H3C14) (NM_021059) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: H3C14

Synonyms: H3; H3.2; H3/M; H3C13; H3C15; H3F2; H3FM; H3FN; HIST2H3C

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is

Sequence:

The ORF insert of this clone is exactly the same as(RC216866).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_021059

ORF Size: 408 bp





HIST2H3C (H3C14) (NM_021059) Human Tagged Lenti ORF Clone - RC216866L3

OTI Disclaimer: 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: <u>NM 021059.2</u>

 RefSeq Size:
 507 bp

 RefSeq ORF:
 411 bp

 Locus ID:
 126961

 UniProt ID:
 Q71DI3

 Cytogenetics:
 1q21.2

Protein Pathways: Systemic lupus erythematosus

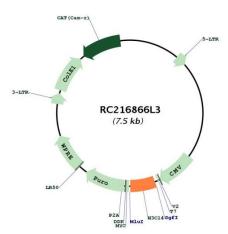
MW: 15.4 kDa

Gene Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the

chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the telomeric copy. [provided by RefSeq, Aug 2015]



Product images:



Circular map for RC216866L3