

Datasheet for ABIN3384366

## Human H3F3C cDNA Clone in Mammalian Expression Vector

### Overview

|              |                             |
|--------------|-----------------------------|
| Quantity:    | 10 µg                       |
| Gene:        | Histone H3.3C (H3F3C)       |
| Species:     | Human                       |
| Insert:      | cDNA                        |
| Vector:      | Mammalian Expression Vector |
| Application: | Protein Expression (PEXP)   |

### Product Details

|                       |  |
|-----------------------|--|
| Purpose:              | Untagged full-length cDNA clone from Human H3F3C is ideal for over-expression of native protein for functional studies.  |
| Brand:                | TrueClones®  |
| Vector Backbone:      | pCMV6-XL5  |
| Promoter:             | Enhanced CMV Promoter, T7 Promoter   |
| Bacterial Resistance: | Ampicillin   |
| Expression Type:      | Transient  |
| Specificity:          | Restriction Site: NotI-NotI  |
| Characteristics:      | <ul style="list-style-type: none"> <li>• These cDNA clones are isolated from full-length cDNA libraries and usually contain the coding sequence as well as the untranslated regions (UTRs) of the mRNA transcript appropriate to the library from which they were isolated.</li> <li>• These cDNA clones are ideal for over-expression of native proteins for functional studies. Provided as 10 µg transfection-ready plasmids.</li> <li>• Every lot of primer is tested to provide clean sequencing of cDNA clones.</li> </ul> |
| Purification:         | The DNAs were purified using PowerPrep HP Plasmid isolation kits for transfection ready plasmids.  |

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## Product Details

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Sequencing Primer: VP1.5 (forward) 5'GGACTTTCCAAAATGTTCG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3'

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Components:

- The cDNA clone is shipped in a 2-D bar-coded Matrix tube as dried plasmid DNA.
- The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

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## Target Details

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Gene: Histone H3.3C (H3F3C)

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Alternative Name: H3F3C ([H3F3C Products](#))

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Background: 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 contains introns and its mRNA is polyadenylated, unlike most histone genes. The protein encoded by this gene is a replication-independent histone that is a member of the histone H3 family. [provided by RefSeq, Oct 2015].

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NCBI Accession: [NM\\_001013699](#), [NP\\_001013721](#)

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Storage: RT, -20 °C

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Storage Comment: The lyophilized plasmid is stable for up to one year when stored at ambient temperature. Following dissolution in 100 µL dH<sub>2</sub>O, store at -20 °C. Lyophilized primers are stable for up to one year when stored at ambient temperature. Following dissolution in 10 µL dH<sub>2</sub>O, store at -20 °C.

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Expiry Date: 12 months

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## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)