

## H3F3A cDNA

Catalog Number: ATGD0413

### PRODUCT INFORMATION

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**Catalog number**

ATGD0413

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_002098.1

**Alternative Names**

H3.3A, H3F3

**mRNA Refseq**

NM\_002107.4

**OMIM**

601128

**Chromosome location**

1q42.12

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

411bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

## H3F3A cDNA

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H3F3A is a variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. It constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis.

### DATA

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#### Sequence nucleotides

```
ATGGCTCGTACAAAGCAGACTGCCCGCAAATCGACCGGTGGTAAAGCACCCAGGAAGCAACTGGCTACAAAAGCCGCTCG
CAAGAGTGCGCCCTCTACTGGAGGGTGAAGAAACCTCATCGTTACAGGCCTGGTACTGTGGCGCTCCGTGAAATTAGACG
TTATCAGAAGTCCACTGAACTTCTGATTTCGAAACTTCCCTTCCAGCGTCTGGTGCGAGAAATTGCTCAGGACTTTAAACAG
ATCTGCGCTTCCAGAGCGCAGCTATCGGTGCTTTGCAGGAGGCAAGTGAGGCCTATCTGGTTGGCCTTTTTGAAGACACCA
ACCTGTGTGCTATCCATGCCAAACGTGTAACAATTATGCCAAAAGACATCCAGCTAGCACGCCGCATACGTGGAGAACGTG
CTTAA
```

#### Transaction Sequence

```
MARTKQTARK STGGKAPRKQ LATKAARKSA PSTGGVKKPH RYRPGTVALR EIRRYQKSTE LLIRKLPFQR LVREIAQDFK
TDLRFQSAAI GALQEASEAY LVGLFEDTNL CAIHAKRVTI MPKDIDLARR IRGERA
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