

H3F3A cDNA

Catalog Number: ATGD0413

PRODUCT INFORMATION

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

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

Catalog Number: ATGD0413

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

Sequence nucleotides

```
ATGGCTCGTACAAAGCAGACTGCCCCGCAAATCGACCGGTGGTAAAGCACCCAGGAAGCAACTGGCTACAAAAGCCGCTCG
CAAGAGTGCGCCCTCTACTGGAGGGGTGAAGAAACCTCATCGTTACAGGCCTGGTACTGTGGCGCTCCGTGAAATTAGACG
TTATCAGAAGTCCACTGAACTTCTGATTGCAAACTTCCCTTCCAGCGTCTGGTGCGAGAAATTGCTCAGGACTTTAAACAG
ATCTGCGCTTCCAGAGCGCAGCTATCGGTGCTTTGCAGGAGGCAAGTGAGGCCTATCTGGTTGGCCTTTTTGAAGACACCA
ACCTGTGTGCTATCCATGCCAAACGTGTAACAATTATGCCAAAAGACATCCAGCTAGCACGCCGCATACGTGGAGAACGTG
CTTAA
```

Transaction Sequence

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