

NFYB cDNA

Catalog Number: ATGD0258

PRODUCT INFORMATION

Catalog number

ATGD0258

Product type

cDNA

Species

Human

NCBI Accession No.

NP_006157.1

Alternative Names

CBF-A, CBF-B, HAP3, NF-YB

mRNA Refseq

NM_006166.3

OMIM

189904

Chromosome location

12q22-q23

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

624bp

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

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The protein encoded by NFYB is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds with high specificity to CCAAT motifs in the promoter regions in a variety of genes. NFYB product, subunit B, forms a tight dimer with the C subunit, a prerequisite for subunit A association. The resulting trimer binds to DNA with high specificity and affinity. Subunits B and C each contain a histone-like motif. Observation of the histone nature of these subunits is supported by two types of evidence; protein sequence alignments and experiments with mutants.

DATA

Sequence nucleotides

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ATGACAATGGATGGTGACAGTTCTACAACAGATGCTTCTCAACTAGGAATCTCTGCAGACTATATTGGAGGAAGTCATTATG
TTATACAGCCTCATGATGATACTGAGGACAGCATGAATGATCATGAAGACACAAATGGTTCAAAAGAAAGTTTCAGAGAACA
AGATATATATCTTCCAATAGCAAACGTGGCTAGGATAATGAAAAATGCCATACCTCAAACGGGAAAGATTGCAAAAGATGCC
AAAGAATGTGTTCAAGAATGTGTAAGTGAGTTCATCAGTTTTATAACATCTGAAGCAAGTGAAAGGTGCCATCAAGAGAAAC
GGAAAACAATCAATGGAGAAGATATTCTCTTTGCTATGTCTACTTTAGGCTTTGACAGTTATGTGGAACCTCTGAAATTATAC
CTTCAGAAATTCAGAGAGGCTATGAAAGGAGAAAAGGGAATTGGTGGAGCAGTCACAGCTACAGATGGACTAAGTGAAGA
GCTTACAGAGGAGGCATTTACTAACCAGTTACCAGCTGGCTTAATAACCACAGACGGTCAACAACAAAATGTTATGGTTTAC
ACAACATCATATCAACAGATTTCTGGTGTTTCAGCAAATTCAGTTTTCATGA
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Transaction Sequence

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MTMDGDSSTT DASQLGISAD YIGGSHYVIQ PHDDTEDSMN DHEDTNGSKE SFREQDIYLPANVARIMKN AIPQTGKIAK
DAKECVQECV SEFISFITSE ASERCHQEKR KTINGEDILFAMSTLGFD SY VEPLKLYLQK FREAMKGEKG IGGAVTATDG
LSEELTEEF TNQLPAGLITTDGQQQNMV YTTSYQQISG VQQIQFS
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