

NCBP2 cDNA

Catalog Number: ATGD0124

PRODUCT INFORMATION

Catalog number

ATGD0124

Product type

cDNA

Species

Human

NCBI Accession No.

NP_031388.2

Alternative Names

CBC2, CBP20, NIP1, PIG55

mRNA Refseq

NM_007362.3

OMIM

65133

Chromosome location

3q29

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

471bp

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 product of NCBP2 is a component of the nuclear cap-binding protein complex (CBC), which binds to the monomethylated 5' cap of nascent pre-mRNA in the nucleoplasm. The encoded protein has an RNP domain commonly found in RNA binding proteins, and contains the cap-binding activity. The CBC promotes pre-mRNA splicing, 3'-end processing, RNA nuclear export, and nonsense-mediated mRNA decay. Multiple transcript variants encoding different isoforms have been found for this gene.

DATA

Sequence nucleotides

```
ATGTCGGGTGGCCTCCTGAAGGCGCTGCGCAGCGACTCCTACGTGGAGCTGAGCCAGTACCGGGACCAGCACTTCCGGGG
TGACAATGAAGAACAAGAAAAATTACTGAAGAAAAGCTGTACGTTATATGTTGGAAATCTTTCTTTTTACACAACACTGAAGAAC
AAATCTATGAACTCTTCAGCAAAAAGTGGTGACATAAAGAAAATCATTATGGGTCTGGATAAAATGAAGAAAACAGCATGTGG
ATTCTGTTTTGTGGAATATTACTCACGCGCAGATGCGGAAAACGCCATGCGGTACATAAATGGGACGCGTCTGGATGACCG
AATCATTCGCACAGACTGGGACGCAGGCTTTAAGGAGGGCAGGCAATACGGCCGTGGGCGATCTGGGGGCCAGGTTCCG
GATGAGTATCGGCAGGACTACGATGCTGGGAGAGGAGGCTATGGAAAACGGCACAGAACCAGTGA
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Transaction Sequence

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MSGLLKALR SDSYVELSQY RDQHFRGDNE EQEKLLKSC TLYVGNLSFY TTEEQIYELF SKSGDIKKII MGLDKMKKTA
CGFCFVEYYS RADAENAMRY INGTRLDDRI IRTDWDAGFK EGRQYGRGRS GGQVRDEYRQ DYDAGRGGYG KLAQNQ
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