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

Centrifuge at 7000rpm for 1 minute.
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



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

Transaction Sequence

MSGGLLKALR SDSYVELSQY RDQHFRGDNE EQEKLLKKSC TLYVGNLSFY TTEEQIYELF SKSGDIKKII MGLDKMKKTA CGFCFVEYYS RADAENAMRY INGTRLDDRI IRTDWDAGFK EGRQYGRGRS GGQVRDEYRQ DYDAGRGGYG KLAQNQ