

# Recombinant human NCBP2 protein

Catalog Number: ATGP0747

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-156aa

### UniProt No.

P52298

### NCBI Accession No.

NP\_031388.2

### Alternative Names

Nuclear cap-binding protein subunit 2, CBC2, CBP20, NIP1, PIG55

## PRODUCT SPECIFICATION

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### Molecular Weight

20.1 kDa (176aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

NCBP2, also known as CBC2, 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. This 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. Recombinant human NCBP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

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

## General References

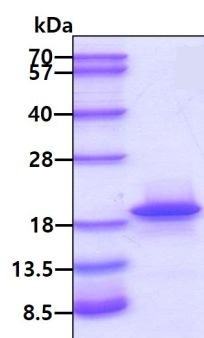
Izaurralde E., et al.(1994) Cell. 78: 657-668.

Strasser A., et al.( 2005) EMBO J 24(13):2235-43.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.