

## Recombinant Human NCBP2, His-tagged

Cat. No. NCBP2-2847H Lot. No. (See product label)

### SPECIFICATION

|                                 |   |
|---------------------------------|---|
| <b>Product Overview</b>         | Recombinant human NCBP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW =20.1 kDa (176aa), confirmed by MALDI-TOF.  |
| <b>Species</b>                  | Human   |
| <b>Source</b>                   | E.coli  |
| <b>Description</b>              | 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. |
| <b>Sequences Of Amino Acids</b> | MGSSHHHHHH SSGLVPRGSH MSGLLKALR SDSYVELSQY RDQHFRGDNE<br>EQEKLLKKSC TLYVGNLSEFY TTEEQIYELF SKSGDIKKII MGLDKMKKTA<br>CGFCFVEEYYS RADAENAMRY INGTRLDDRI IRTDWDAGFK EGRQYGRGRS<br>GGQVRDEYRQ DYDAGRGGYG KLAQNNQ  |
| <b>Purity</b>                   | > 95% by SDS – PAGE.  |
| <b>Form</b>                     | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.  |
| <b>Concentration</b>            | 0.5 mg/ml (determined by Bradford assay).   |

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**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [NCBP2 nuclear cap binding protein subunit 2, 20kDa \[ Homo sapiens \]](#)

**Synonyms** NCBP2; nuclear cap binding protein subunit 2, 20kDa; CBC2; NIP1; CBP20; PIG55; nuclear cap-binding protein subunit 2; OTTHUMP00000208156; OTTHUMP00000208157; OTTHUMP00000208158; NCBP 20 kDa subunit; NCBP interacting protein 1; NCBP-interacting protein 1; 20 kDa nuclear cap-binding protein; cell proliferation-inducing gene 55 protein

**Gene ID** [22916](#)

**mRNA Refseq** [NM\\_001042540](#)

**Protein Refseq** [NP\\_001036005](#)

**MIM** [605133](#)

**UniProt ID** [P52298](#)

**Chromosome Location** 3q29

**Pathway** Spliceosome

**Function** RNA 7-methylguanosine cap binding; NOT RNA binding; RNA cap binding; nucleotide binding; protein binding

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