

Recombinant Human NCBP2, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
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.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSGLLKALR SDSYVELSQY RDQHFRGDNE EQEKLLKKSC TLYVGNLSFY TEEQIYELF SKSGDIKKII MGLDKMKKTA CGFCFVEYYS RADAENAMRY INGTRLDDRI IRTDWDAGFK EGRQYGRGRS GGQVRDEYRQ DYDAGRGGYG KLAQNQ
Purity	> 95% by SDS – PAGE.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.
Concentration	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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