

Recombinant Human NCBP1

Cat. No. NCBP1-29240TH **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant full length Human NCBP1 with N terminal proprietary tag; Predicted MW 112.97 kDa. |
| Species | Human |
| Source | Wheat Germ |
| ProteinLength | 790 amino acids |
| Description | The product of this gene 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 promotes high-affinity mRNA-cap binding and associates with the CTD of RNA polymerase II. The CBC promotes pre-mRNA splicing, 3-end processing, RNA nuclear export, and nonsense-mediated mRNA decay. |
| Molecular Weight | 112.970kDa inclusive of tags |
| Form | Liquid |
| Purity | Proprietary Purification |
| Storage buffer | pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl |
| Storage | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

cycles.

Sequences of amino acids

MSRRRHSDENDGGQPHKRRKTS DANETEDHLES LICKVGE KSACSLESNLEGLAG
 VLEADLPNYKSKILRLLCTVARLLP EKLTIYTTLVGLLNARNYNFGGEFVEAMIRQLKE
 SLKANN YNEAVYLVRFLSDLVNCHVIAAPSMVAMFENFVSVTQEED VPQVRRDWY
 VYAFSSLPWVGKELYEKKDAEMDRIFANTE SYLKRRQKTHVPMLQVWTADKPHP
 QEEYLDCLWAQIQK LK KDRWQERHILRPYLAFDSILCEALQHNLPPFTPPPHTEDS
 VYPMPRVIFRMFDYTD DPEGPVMPGSHSVERFVIEENLHC IIKSHWKERKTCAAQL
 VSYPGKNKIPLNYHIVEVIFAELF QLPAPPHIDVMYTTLLIELCKLQPGSLPQVLAQAT
 EMLYM RLDTMNTTCDVDRFINWFSHLSNFQFRWSWEDWSDCLSQD PESPKPKFV
 REVLEKCMRLSYHQRILDIVPPTFSALCPAN PTCIYKYGDESSNSLPGHSVALCLAV
 AFKSKATNDEIFSI LKDVPNPNQDDDDDEGFSFNPLKIEVFVQTLHLAAKSFS HSF
 SALAKFHEVFKTLAESDEGKLHVLRVMFEVWRNHPQM IAVLVDKMIRTQIVDCAAVA
 NWIFSSLSRDFTRLFVWEI LHSTIRKMNKHV LKIQKELEEAKEKLARQHKRRSDDD
 DRS SDRKDGVL EEQIERLQEKVES AQSEQKNLFLVIFQRFIMI LTHELVR CETDGTS
 VLTPWYKNCIERLQQIFLQHHQIIQQ YMVTLENLLFTAELDPHILAVFQQFCALQA

Sequence Similarities

Belongs to the NCBP1 family. Contains 1 MIF4G domain.

GENE INFORMATION

Gene Name

NCBP1 nuclear cap binding protein subunit 1, 80kDa [Homo sapiens]

Official Symbol

NCBP1

Synonyms

NCBP1; nuclear cap binding protein subunit 1, 80kDa; NCBP, nuclear cap binding protein subunit 1, 80kD; nuclear cap-binding protein subunit 1; CBP80; Sto1;

Gene ID

4686

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| | |
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| mRNA Refseq | NM_002486 |
| Protein Refseq | NP_002477 |
| MIM | 600469 |
| Uniprot ID | Q09161 |
| Chromosome Location | 9q34.1 |
| Pathway | Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Cap binding complex, organism-specific biosystem; Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Formation and Maturation of mRNA Transcript, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; |
| Function | RNA binding; RNA cap binding; protein binding; |

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