

Recombinant Human NCBP1

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

SPECIFICATION

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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cycles.

Sequences of amino acids

MSRRRHSDENDGGQPHKRRKTS DANETEDHLES LICKVGE KSACSLESNLEGLAG
VLEADLPNYKSKILRLLCTVARLLP EKLTITYTTLVGLLNARNYNFGGEFVEAMIRQLKE
SLKANN YNEAVYLVRFSLDLVNCHVIAAPSMVAMFENFVSVTQEED VPQVRRDWY
VYAFSSLPWVGKELYEKKDAEMDRIFANTE SYLKRRQKTHVPMLQVWTADKPHP
QEEYLDCLWAQIQKLK KDRWQERHILRPYLAFDSILCEALQHNLPPFTPPPHTEDS
VYPMPRVIFRMFDYTDDPEGPVMPGSHSVERFVIEENLHC IIKSHWKERKTCAAQL
VSYPGKNKIPLNYHIVEVIFAELF QLPAPPHIDVMYTTLLIELCKLQPGSLPQVLAQAT
EMLYM RLDTMNTTCDVRFINWFSHLSNFQFRWSWEDWSDCLSQD PESPKPKFV
REVLEKCMRLSYHQRILDIVPPTFSALCPAN PTCIYKYGDESSNSLPGHSVALCLAV
AFKSKATNDEIFSI LKDVPNPQNQDDDDDEGFSFNPLKIEVFVQTLLHLAAKSFS HSF
SALAKFHEVFKTLAESDEGKLHVLRVMFEVWRNHPQM IAVLVDKMIRTQIVDCAAVA
NWIFSSSELSRDFTRLFVWEI LHSTIRKMNKHVLKIQKELEEAKEKLARQHKRRSDDD
DRS SDRKDGVL EEQIERLQEKVESAQSEQKNLFLVIFQRFIMI LTELVR CETDGT S
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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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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