

Recombinant Full Length Human NCBP1 Protein, C-Flag-tagged

Cat. No. NCBP1-1356HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NCBP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	91.7 kDa
AA Sequence	MSRRRHSDENDGGQPHKRRKTSANETEDHLESICKVGEKSACSLESNLEGLAG VLEADLPNYKSKILR LLCTVARLLPEKLTITYTTLVGLLNARNYNFGGEFVEAMIRQLKE SLKANNYNEAVYLVRFLSDLVNCHVI AAPSMVAMFENFVSVTQEEDVPQVRRDWY VYAFSSLPWVGKELYEKKDAEMDRIFANTESYLRKRRQKTH VPMLQVWTADKPHP QEEYLDCLWAQIQKLKKDRWQERHILRPYLAFDSILCEALQHNLPFTPPPHTEDS V YPMPRVIFRMFDYTDDPEGPVMPGSHSVERFVIEENLHCIIKSHWKERKTCAAQLVS

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YPGKNKIPLNYH IVEVIFAELFQLPAPPHIDVMYTTLLIELCKLQPGSLPQVLAQATEM
 LYMRDLMNTTCVDRFINWFSHH LSNFQFRWSWEDWSDCLSQDPESPKPKFVRE
 VLEKCMRLSYHQRILDIVPPTFSALCPANPTCIYKYGDE SSNSLPGHVSVALCLAVAFK
 SKATNDEIFSILKDVPNPQNQDDDDDEGFSFNPLKIEVFVQTLLHLAAKSFS HSFSALA
 KFHEVFKTLAESDEGKLHVLVRVMFEVWRNHPQMIAVLVDKMIRTQIVDCAAVANWIF
 SSELSR DFTRLFVWEILHSTIRKMNKHVLKIQKELEEAKEKLARQHKRRSDDDDRRS
 DRKDGVL EEQIERLQEKVE SAQSEQKNLFLVIFQRFIMILTEHLVRCETDGTSVLTPW
 YKNCIERLQQIFLQHHQIIQQYMTLENLLF
 TAELDPHILAVFQQFCALQATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Spliceosome
Full Length	Full L.

GENE INFORMATION

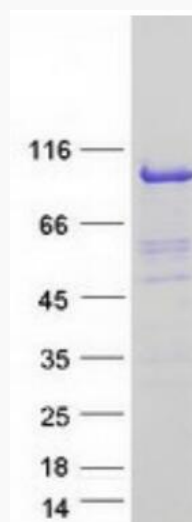
Gene Name	NCBP1 nuclear cap binding protein subunit 1 [Homo sapiens (human)]
Official Symbol	NCBP1

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Synonyms	NCBP; Sto1; CBP80
Gene ID	4686
mRNA Refseq	NM_002486.5
Protein Refseq	NP_002477.1
MIM	600469
UniProt ID	Q09161



Coomassie blue staining of purified NCBP1 protein.