

Recombinant Mouse Ncbp3 Protein, Myc/DDK-tagged

Cat. No. Ncbp3-4306M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nuclear cap binding subunit 3 (Ncbp3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Associates with NCBP1/CBP80 to form an alternative cap-binding complex (CBC) which plays a key role in mRNA export. NCBP3 serves as adapter protein linking the capped RNAs (m7GpppG-capped RNA) to NCBP1/CBP80. Unlike the conventional CBC with NCBP2 which binds both small nuclear RNA (snRNA) and messenger (mRNA) and is involved in their export from the nucleus, the alternative CBC with NCBP3 does not bind snRNA and associates only with mRNA thereby playing a role in only mRNA export. The alternative CBC is particularly important in cellular stress situations such as virus infections and the NCBP3 activity is critical to inhibit virus growth.
Molecular Mass	70.5 kDa
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 after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Ncbp3 nuclear cap binding subunit 3 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ncbp3](#)

Synonyms Ncbp3; nuclear cap binding subunit 3; C78393; 1200014J11Rik; C130061O14Rik; nuclear cap-binding protein subunit 3

Gene ID [66874](#)

mRNA Refseq [NM_025818](#)

Protein Refseq [NP_080094](#)

UniProt ID [Q8BZR9](#)

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