

Product datasheet for TP509440

Ncbp3 (NM_025818) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nuclear cap binding subunit 3 (Ncbp3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209440 representing NM_025818 Red =Cloning site Green =Tags(s)

MAAVRGLRVSVKAEAPAGPALGLPSPEVESGLERGEPEPMEVEEGELEIVPVRRLKELLPDTSTRRYENK
AGSFITGIDVTSKEAIEKKEQRAKRFHFRAEVNLAQRNVALDRDMMKKAIPKVRLETIYICGVDEMSTQD
IFSFKYPPAHIEWLDDTSCNVVWLDEMTATRALINMSSLPAQDKMRSRDAEKSSSEKNKKDKQEDSS
DDDETEEGEVEDENSSDVELDTLSQVEEESLLRNDLRPANKLAKGNRLFMRFATKDDKKELGAARRSQYY
MKYGNPNYGGMKGILSNWKRYYHSRRIQRDVIKKRALIGDDVGLTSYKHRHSGLVNVPEEPIEEEEEE
EEEEQDMDADDRVVVEYHEELPGLKQPRERSLSRRSSASSSDSEMDYDLELKMISTPSPKKSMTMY
ADEVESQLKSIRNPMRADSISTSNIKNRIGNKLPPEKFADVRHLLDEKRQHSCRPVAVSSTKPDIRQLG
KRPYSPEKAFSSNQVRRPESSDVHSRLGVPRQDVKGLYSYDTRERKSGGLWTRLGSTPKTKEKNTKKVDH
RASGAEEEDSELQRAWGALIKEEESRQKKSRLDLSPLQIEVSRESSSGSEAES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	70.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_080094](#)

Locus ID: 66874

UniProt ID: [Q8BZR9](#)

RefSeq Size: 6284

Cytogenetics: 11 B4

RefSeq ORF: 1845

Synonyms: 1200014J11Rik; C78393; C130061O14Rik

Summary: 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 (PubMed:26382858).[UniProtKB/Swiss-Prot Function]