

Product datasheet for **MC219729**

Ncbp3 (NM_025818) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncbp3 (NM_025818) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ncbp3
Synonyms:	1200014J11Rik; C78393; C130061O14Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219729 representing NM_025818
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCCGTCCGCGCCCTGCGAGTGTCTGTGAAGCGGAGGCCCGTGGGCCGGCTTTGGGGCTTC
 CGTCGCCCCGAGGTGGAGTCCGGTTTGGAGCGTGGCGAGCCGAGCCCATGGAAGTGAAGAAGGCGAGCT
 GGAAATCGTGCCGGTGGCGGCTCCCTAAAGGAACTGCTCCCGGACACAAGCAGAAGATATGAAAAACAAG
 GCTGGCAGCTTCACTACTGGGATCGATGTACCTCCAAGGAAGCAATTGAAAAGAAAAGAACGCGAGCCA
 AGCGCTTCCACTTTCGAGCAGAAGTAACTTGGCCAGAGAAATGTAGCCTTGGACCGAGACATGATGAA
 GAAAGCAATCCCAAGGTGAGACTGGAGACAATCTACATTTGTGGAGTGGATGAAATGAGCACCCAGGAT
 ATCTTCTCTATTTAAAGGAATATCCTCCAGCTCACATTGAGTGGTTGGATGACACCTCTGCAATGTGG
 TTTGGCTGGACGAGATGACGGCCACACGAGCTCTCATCAATATGAGTTCTCTGCCAGCCAGGATAAGAT
 GAGAAGCAGAGATGCCAGTGAAGACAAGTCGTCGGAGAAGAACAAGAAAGACAAGCAGGAAGACAGTTCA
 GATGACGACGAGACTGAAGAAGGAGAAGTGAAGATGAGAATCAAGTGTAGAGTTGGACACGTTGT
 CTCAGGTAGAAGAAGAGTCTCTGTTACGAAATGATCTTCGTCAGCTAACAACTTGCTAAAGGAAATAG
 ACTATTCATGAGATTTGCTACAAAAGATGACAAAAGGAACTTGGAGCAGCCAGAAGAAGTCAATACTAC
 ATGAAGTATGAAATCCAAATATGGAGGCATGAAAGGAATCTTAGCAATTCATGGAAGCGAAGATATC
 ATCCCGTCGCATTCAGCGGGATGTGATCAAGAAGAGAGCCCTGATTGGGGATGACGTTGGCTTGACGTC
 GTATAAACACCGACATCCGGATTAGTGAATGTTCTGAGGAACCCATTGAGGAAGAGGAGGAGGAGGAG
 GAGGAAGAGGAGGACCAGGACATGGATGCCGATGACAGAGTCGTGGTGGAGTACCATGAGGAGCTCCCAG
 GTCTCAAGCAGCCCCGTGAGCGGAGCCTGTCTAGGCGATCCAGTGGCAGCAGCTCAGATCAGATGAGAT
 GGACTATGATCTGGAAGTGAAGATGATTTCTACTCCCTCCCAAGAAAAGCATGAAAATGACCATGTAT
 GCAGATGAAGTAGAGTCCCAACTGAAAAGTATTAGGAATCCCATGAGGGCAGATAGTATATCCACAAGCA
 ATATAAAAAACGAATTGGTAACAAATTCCTCTGAGAAATTTGCAGATGTCCGTCATCTCTTAGATGA
 AAAGAGGCAGCATTCTGTCCACGGCCAGCAGTACGAGTAAACCAGATATTCGCCAGCGGTTAGGA
 AAAAGACCGTATTCTCCAGAGAAGGCTTTTAGTAGTAACCAGGTGGTTCCGAGAGAGCCCTTTCAGATG
 TACATAGTAGGCTAGGTGTTCCAGGCAAGATGTTAAAGGCTCTACTCTGATACTCGGGAGAGGAAATC
 AGGTGGTTTGTGGACTCGCTTAGGATCTACACCAAGACCAAAGAAAAGAACACGAAGAAAGTGGATCAC
 AGGGCATCTGGTCTGAGGAAGTACTCGGAGCTTCAGAGAGCATGGGGTCTCTGATCAAGGAGAAAAG
 AAGAGTCTCGCCAGAAGAAGAGTCGGCTGGATAGCTTGCCTTCGTCAGATTGAAGTACGCCGGGAAAAG
 TAGCTCTGGTTCAGAGGCAGAGTCT**G**A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_025818

Insert Size: 1848 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_025818.3](#), [NP_080094.3](#)

RefSeq Size: 6284 bp

RefSeq ORF: 1848 bp

Locus ID: 66874

UniProt ID: [Q8BZR9](#)

Cytogenetics: 11 B4

Gene 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]