

Product datasheet for **MR209440**

Ncbp3 (NM_025818) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR209440 representing NM_025818
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCGCTCCGCGGCTGCGAGTGTCTGTGAAGCGGAGGCCCGTGGGCCGGCTTTGGGGCTTC
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 TAGCTCTGGTTCAGAGGCAGAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209440 representing NM_025818
 Red=Cloning site Green=Tags(s)

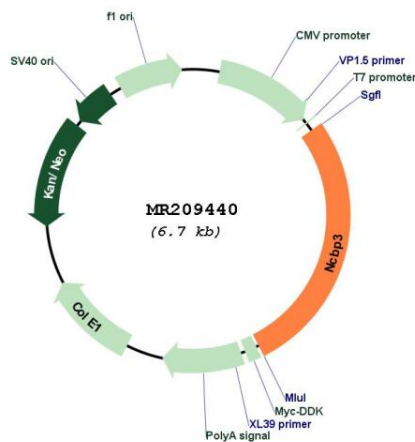
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 MKYGNPNYGGMGILSNSWKRRYHSRRIQRDVIKKRALIGDDVGLTSYKHRHSGLVNVPEEPIEEEEEE
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Locus ID: 66874
UniProt ID: [Q8BZR9](#)
Cytogenetics: 11 B4
MW: 70.5 kDa

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]

Product images:



Circular map for MR209440