

Product datasheet for **RC226032**

C17orf85 (NCBP3) (NM_001114118) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C17orf85 (NCBP3) (NM_001114118) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C17orf85
Synonyms:	C17orf85; ELG; HSA277841
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226032 representing NM_001114118
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGGCGCTACGGGGCTGCGGGTGTGGTGAAGGCGGAGCCCGCGGGGCGGCCCTGGGGCTCC
 CGTCCCCTGAGGCGGAGTCCGGTGTGACCGTGGCGAGCCGAGCCCATGGAGGTGGAGGAGGGCGAGCT
 GGAAATCGTGCCTGTGCGGCGCTCGCTCAAGGAAGTATCCCGGACACGAGCAGAAGATATGAAAAAAG
 GCTGGCAGCTTCACTGGAATTGATGTACCTCCAAGGAAGCAATTGAAAAGAAAGAGCAGCGAGCCA
 AGCGCTTCCATTTTCGATCGGAAGTAACTTGCCTCAAGAAATGTAGCCTTGGACCGAGACATGATGAA
 GAAAGCAATCCCCAAGGTGAGACTGGAGACAATCTATATTTGCGGAGTAGATGAGATGAGCACCCAAGAT
 GTCTTTTCTATTTAAAGAATATCTCCAGCTCACATCGAATGGTTGGATGATACCTCTGTAATGTAG
 TTTGGCTGGATGAAATGACAGCCACAGCAGCACTTATCAATATGAGCTCCCTGCCTGCACAGGATAAGAT
 CAGAAGCAGGGATGCCAGTGAGGACAAGTCAGCTGAGAAAAGGAAAAAGACAAGCAGGAAGACAGTTCA
 GATGATGATGAAGCTGAAGAAGGAGAGGTTGAAGATGAGAACTCAAGTGTAGAGTTGGATACGTTGT
 CTCAGGTAGAAGAGGAGTCTTTGTTAAGAAACGATCTTCGTCACGCTAACAACTTGCTAAAGGAAATAG
 GTTATTCATGAGATTTGCTACAAAAGATGACAAAAGGAACTTGGAGCAGCCAGAAGAAGTCAGTATTAC
 ATGAAATATGGGAATCCAATATGAGGAGCATGAAAGGAACTTCTAGCAATTCATGGAAGCGAAGATATC
 ATTCCTCGTATTCAGCGGGACGTGATCAAGAAGAGAGCCCTGATTGGGGATGACGTTGGCTTGACGTC
 GTATAACATCGACATTCGGGCTAGTGAATGTTCCCGAGGAACCCATTGAAGAGGAGGAAGAGGAGGAG
 GAGGAGGAAGAGGAAGAGGAAGAAGAAGACCAGGACATGGATGCAGATGACAGAGTGGTGGTAGAGTACC
 ACGAGGAGCTCCCGCTCTCAAGCAGCCCCGGGAGCGGAGCGCTAGACGATCCAGTCCAGCAGCTC
 AGACTCAGATGAAATGGACTATGATCTAGAAGTAAAATGATTTCCACGCTTACCAAAGAAAAGCATG
 AAAATGACTATGTATGCTGACGAAGTGGAACTCAGTTGAAAAATATTAGGAACTCCATGAGGGCAGATA
 GTGTATCTTCAAGCAATATCAAAAACCGAATTGGTAACAAATTACCACCTGAGAAATTTGCAGATGCCG
 ACATCTATTAGATGAGAAACGTCAGCACTCCCGTCCACGGCCACCAGTCAGCAGTACTAAATCAGATATA
 CGCCAGCGGTTAGGAAAAAGACCACATTCTCCGAAAAGGCTTTTAGTAGTAACCCCGCTGTTGCGAGAG
 AGCCCTCTTCTGATGTGCATAGTAGGCTAGGTGTTCCAGGCAGGATAGTAAAGGCTCTACGCCGATAC
 TCGGGAGAAGAAATCAGGTAATTTATGGACTCGCCTAGGATCTGCACCAAGACCAAAGAAAAGAATACG
 AAGAAAGTGGATCACAGGCGCCTGGCGCTGAGGAAGACGACTCTGAGCTGCAAAGGGCATGGGGGGCTC
 TGATTAAGGAGAAAGAGCAGTCTCGCCAAAAGAAGAGCCGTTAGATAACTTACCATCTCCAGATTGA
 AGTTAGTCGGGAAAGCAGCTCTGGTTCAGAGGCAGAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226032 representing NM_001114118
 Red=Cloning site Green=Tags(s)

MAAVRGLRVSVKAEAPAGPALGLPSPEAESGVDRGEPEPMEVEEGELEIIPVRRSLKELIPDTSRRYENK
 AGSFITGIDVTSKEAIEKKEQRAKRFHFRSEVNLAQRNVALDRDMMKKAIPKVRLETIYICGVDEMSTQD
 VFSYFKEYPPAHIEWLDDTSCNVVWLDEMATRALINMSSLPAQDKIRSRDASEDKSAEKRRKDKQEDSS
 DDDEAEVEGEVEDENSSDVELDTLSQVEEESLLRNDRPANKLAKGNRLFMRFATKDDKELGAARRSQYY
 MKYGNPNYGGMGILSNSWKRRYHSRRIQRDVIKKRALIGDDVGLTSYKHRHSGLVNVPEEPIEEEEEE
 EEEEEEEEDQMDADDRVVVEYHEELPALKQPRERSASRRSSASSSDSEMDYDLELKMISTPSPKSM
 KMTMYADEVESQLKNIRNSMRADSVSSSNIKNRIGNKLPPEKFADVRHLLDEKRQHSRPRPVSSSTKSDI
 RQRLGKRPHSPEKAFSSNPVRRPSSDVHSRLGVPRQDSKGLYADTREKSGNLWTRLGSAPKTKEKNT
 KKVDHRAPGAEEDDSELQRWALIKEKEQSRQKKSRLDNLPSLQIEVSRESSSGSEAES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8078_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001114118

ORF Size: 1860 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001114118.3](#)

RefSeq ORF: 1863 bp

Locus ID: 55421

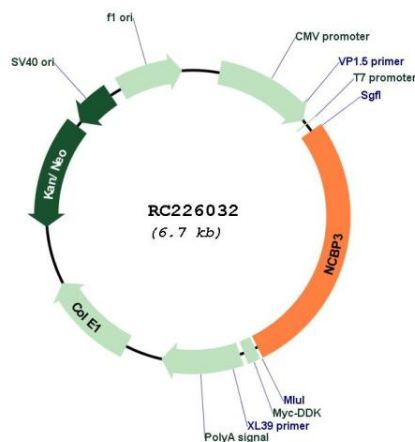
UniProt ID: [Q53F19](#)

Cytogenetics: 17p13.2

MW: 70.4 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 RC226032