

Product datasheet for **SC318958**

C17orf85 (NCBP3) (NM_001114118) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C17orf85 (NCBP3) (NM_001114118) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCBP3
Synonyms:	C17orf85; ELG; HSA277841
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001114118, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCCGTACGGGGCCTGCGGGTGTTCGGTGAAGGCGGAGGCCCGGGCGGGCCGGCC
CTGGGGCTCCCGTCCCCTGAGGCGGAGTCCGGTGTGACCGTGGCGAGCCGGAGCCCATG
GAGGTGGAGGAGGGCGAGCTGAAATCGTGCCTGTGCGGCGCTCGCTCAAGGAACTGATC
CCGGACACGAGCAGAAGATGAAAACAAGGCTGGCAGCTTCATCACTGGAATTGATGTC
ACCTCCAAGGAAGCAATTGAAAAGAAAGAGCAGCGAGCCAAAGCGTTCCATTTTCGATCG
GAAGTAAATCTTGCCCAAGAAAATGTAGCCTTGGACCGAGACATGATGAAGAAAGCAATC
CCCAAGGTGAGACTGGAGACAATCTATATTTGCGGAGTAGATGAGATGAGCACCCCAAGAT
GTCTTTTCTATTTTAAAGAATATCCTCCAGCTCACATCGAATGGTTGGATGATACCTCC
TGTAATGTAGTTTGGCTGGATGAAATGACAGCCACACGAGCACTTATCAATATGAGCTCC
CTGCTGCACAGGATAAGATCAGAAGCAGGGATGCCAGTGAGGACAAGTCAGCTGAGAAA
AGGAAAAAAGACAAGCAGGAAGACAGTTCAGATGATGATGAAGCTGAAGAAGGAGAGGTT
GAAGATGAGAACTCAAGTATGTAGAGTTGGATACGTTGTCTCAGGTAGAAGAGGAGTCT
TTGTTAAGAAACGATCTTCGTCCAGCTAACAACTTGCTAAAGGAAATAGGTTATTCATG
AGATTTGCTACAAAAGATGACAAAAGGAACTTGGAGCAGCCAGAAGAAGTCAGTATTAC
ATGAAATATGGGAATCCAAATTATGGAGGCATGAAAGGAATTCTTAGCAATTCATGGAAG
CGAAGATATCATTCCCGTCGTATTCAGCGGGACGTGATCAAGAAGAGAGCCCTGATTGGG
GATGACGTTGGCTTGACGTCGTATAAACATCGACATTCTGGGCTAGTGAATGTTCCCGAG
GAACCCATTGAAGAGGAGGAAGAGGAGGAGGAGGAGGAAGAGGAAGGAAGAAGAAGAC
CAGGACATGGATGCAGATGACAGAGTGGTGGTAGAGTACCACGAGGAGCTCCCGGCTCTC
AAGCAGCCCCGGGAGCGGAGCGGCTAGACGATCCAGTGCCAGCAGCTCAGACTCAGAT
GAAATGGACTATGATCTAGAACTGAAAATGATTTCCACGCCTTCACCAAAGAAAAGCATG
AAAATGACTATGTATGCTGACGAAGTGAATCTCAGTTGAAAAATATTAGGAACTCCATG
AGGGCAGATAGTGTATCTTCAAGCAATATCAAAAACCGAATTGGTAACAAATTACCACCT
GAGAAATTTGAGATGTCCGACATCTATTAGATGAGAAACGTCAGCACTCCCGTCCACGG
CCACCAGTCAGCAGTAAATCAGATATACGCCAGCGGTTAGGAAAAAGACCACATTCT
CCGGAAAAGGCTTTTAGTAGTAACCCCGTCGTTCCGGAGAGAGCCCTTCTGATGTGCAT
AGTAGGCTAGGTGTTCCAGGCAGGATAGTAAAGGCTCTACGCCGATACTCGGGAGAAG
AAATCAGGTAATTTATGGACTCGCCTAGGATCTGCACCAAGACCAAAGAAAAGAATACG
AAGAAAGTGGATCACAGGGCGCCTGGCGCTGAGGAAGACGACTCTGAGCTGCAAAGGGCA
TGGGGGGCTCTGATTAAGGAGAAAGAGCAGTCTCGCCAAAAGAAGAGCCGTTAGATAAC
TTACCATCTCTCCAGATTGAAGTTAGTCGGGAAAGCAGCTCTGGTTTCAGAGGCAGAGTCC

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Restriction Sites: Please inquire
ACCN: NM_001114118
Insert Size: 8197 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001114118.1](#), [NP_001107590.1](#)

RefSeq Size: 8197 bp

RefSeq ORF: 1863 bp

Locus ID: 55421

UniProt ID: [Q53F19](#)

Cytogenetics: 17p13.2

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]