

Product datasheet for **SC127383**

C17orf85 (NCBP3) (NM_018553) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C17orf85 (NCBP3) (NM_018553) Human Untagged Clone
Tag:	Tag Free
Symbol:	C17orf85
Synonyms:	ELG; HSA277841
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127383 sequence for NM_018553 edited (data generated by NextGen Sequencing)

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ATGAAATATGGGAATCCAAATTATGGAGCATGAAAGGAATTCCTAGCAATTCATGGAAG
CGAAGATATCATTCCCGTCGTATTCAGCGGGACGTGATCAAGAAGAGAGCCCTGATTGGG
GATGACGTTGGCTTGACGTCGTATAAACATCGACATTCTGGGCTAGTGAATGTTCCCGAG
GAACCCATTGAAGAGGAGGAAGAGGAGGAGGAGGAAGAGGAAGAGGAAGAAGAAGAC
CAGGACATGGATGCAGATGACAGAGTGGTGGTAGAGTACCACGAGGAGCTCCCGCTCTC
AAGCAGCCCCGGGAGCGGAGCGGTCTAGACGATCCAGTGCCAGCAGCTCAGACTCAGAT
GAAATGGACTATGATCTAGAAGTAAAAATGATTTCCACGCCTTCACCAAAGAAAAGCATG
AAAATGACTATGTATGCTGACGAAGTGAATCTCAGTTGAAAAATATTAGGAACTCCATG
AGGGCAGATAGTGTATCTCAAGCAATATCAAAAACCGAATTGGTAACAAATTACCACCT
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CCACCAGTCAGCAGTAAATCAGATATACGCCAGCGGTTAGGAAAAAGACCACATTCT
CCGGAAAAGGCTTTTAGTAGTAACCCCGTCTCGGAGAGAGCCCTCTTCTGATGTGCAT
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AAGAAAGTGGATCACAGGGCGCTGGCGCTGAGGAAGACGACTCTGAGCTGCAAAGGGCA
TGGGGGGCTCTGATTAAGGAGAAAAGAGCAGTCTCGCCAAAAGAAGAGCCGTTAGATAAC
TTACCATCTCCAGATTGAAGTTAGTCGGGAAAGCAGCTCTGGTTCAGAGGCAGAGTCC
TGA

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Clone variation with respect to NM_018553.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018553 unedited
TACGACTTTCTTAGGCGGCCGCGATTTCGCACGAGAGAAAATCAGTTTCATGAAAATGGGA
ATCCAAATTATGGAGGCATGAAAGGAATTCCTAGCAATTCATGGAAGCGAAGATATCATT
CCCGTCGTATTACGCGGGACGTGATCAAGAAGAGAGCCCTGATTGGGGATGACGTTGGCT
TGACGTCGTATAAACATCGACATTCTGGGCTAGTGAATGTTCCCGAGGAACCCATTGAAG
AGGAGGAAGAGGAGGAGGAGGAGGAAGAGGAAGAGGAAGAAGAAGACCAGGACATGGATG
CAGATGACAGAGTGGTGGTAGAGTACCACGAGGAGCTCCCGCTCTCAAGCAGCCCCGGG
AGCGGAGCGCGTCTAGACGATCCAGTGCCAGCAGCTCAGACTCAGATGAAATGGACTATG
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ATGCTGACGAAGTGAATCTCAGTTGAAAAATATTAGGAACTCCATGAGGGCAGATAGTG
TATCTTCAAGCAATATCAAAAACCGAATTGGTAACAAATTACCACCTGAGAAATTTGCAG
ATGTCCGACATCTATTAGATGAGAAACGTCAGCACTTCCGTCCACGGCCACCAGTCAGCA
GTACTAAATCAGATATACGCCAGCGGNTANGAAAAAGACCACATTCTNCGGANAGGCTNT
TAGTAGTAACCCCGTCNGTTCGAGAGAGCCTCTTCTGATGTGCATAGTAGGCTANNGTGT
CCCAGCAGATAGTAAAGCCTCTCGCCGATCTCGGNAGAGAAATCAGTATTATGACTCGCT
AGATCGCCCCAGACCAAGAAGATCGAGAAGTGGTCCAGGCGCTGCGCTAGANACACTCTA
CTGAAGGCTGGGGCTCTATAAGAAAGACATCTGCAAGAGAGCGTAAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018553 unedited
CTATGGACCGGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTGGAGCCCTTACTTTCTTTATTA AAAACAGGGGTCT
GCATTAATTCGGCCACAGGGGAATCAACTATCAATGGGACCATTA ACTCCCCACAAGT
AAAGATCGACAGGATCCAGGCTGGACTGGGGGCACAACAACCCAAGCAGGGGAAAAGTCCG
GGACATCGCAAAAAGGACCACGGGTTATTACCATTTTTAACGCCATGTTCCAACAAACC
GAAAAAAAACACTGTTTCTTAAAACCTGGCGAGGAATACCAAATTAATACTACCAAAACAA
AAATCAGACCGGGAGACCAAAACAATCTACCTCCTCTAAAGGGAAAAAACTGAAAAGGG
GGTTAAAAATAAATGAACTAAAATTTTTATAACTATTATCTTTTTTGGCAATTTTGAAAA
AGTCTTCAGGGGCCACAACGGGGGGACAGAAAGAATAAATATCAATGGATAACTTCTAAA
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AAAAACAAGCTGAACTCTATGTGCCACAGACAGACTATTCCACTTGGAGCATTTAAAAAT
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ACGACCCCCCTGTAGCTTCCCTTTAGCCAACAGGGAGAAATTTCCACATATAAAAATTA
AAAAATTAACACTTTTAAATCATTTCATGGTTTAACTAATACAGACTTAAAATNTCTTCAC
ATTGACCATAATCCCCCAGCCCCAAAATCAACCCACATTCAAAGTCCAGTTTTTTGTCC
CTAAAACCACAACACTGGACTTGACTTCAATTAAGCGAAACACGTAAGAGCCTGCCTGA
GCATC

Restriction Sites:

NotI-NotI

ACCN:

NM_018553

Insert Size:

2620 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_018553.1](#), [NP_061023.1](#)

RefSeq Size: 2709 bp

RefSeq ORF: 1023 bp

Locus ID: 55421

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]