

Product datasheet for **SC111033**

TBCC (NM_003192) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBCC (NM_003192) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBCC
Synonyms:	CFC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003192, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTCCGTCAGTTGCTCCGCTGCTGCTGTCAGGACCGGAGACATGGAGTCCCAGCGGGACCTGAGCC
TGGTGCCTGAGCGGCTTCAGAGACGCGAACAAGAACGGCAGCTGGAAGTTGAAAGGCGGAAACAAAAGCG
GCAGAACCAGGAGGTAGAGAAGGAGAACAGCCACTTTTTTCGTGCGCCACCTTTGCTCGGGAGCGAGCGGCC
GTGGAAGAGCTTCTGGAGCGCGGGAGTCGGTCGAGCGGCTGGAGGAGGCGGCCTCTCGGCTCCAGGGGC
TGCAGAACTAATCAACGACTCAGTTTTTTTCTAGCCGCTTACGACCTGCGGCAGGGACAAGAGGGCGCT
GGCGCGGCTGCAGGCGGCCTTGCCGAGCGGCGCCGGGGCTGCAGCCCAAGAAGCGTTTCGCTTCAAG
ACCCGGGAAAGGATGCTGCTTCGTCTACCAAAGTAGACGCGGCTCCTGGCATCCCCCGGCAGTTGAAA
GCATACAGGACTCCCCGCTGCCAAGAAGCGGAAGGAGACCTCGGCCCCAGCTGGGTCTGCGGTTTCTC
CAACCTGGAGTCCAAGTCTTGAGAAGAGAGCCAGCGAGTTGCACCAGCGCGACGTTCTTTTGACCGAA
CTGAGCAACTGCACGGTCAGACTGTATGAAAATCCCAACACCCTGCGGCTAACCAAGGCCACAGCTGCA
AGCTGCTCTGCGGTCCGGTGTCTACCTCTGTTTTCTGGAGGACTGCAGTGACTGCGTGTGGCAGTGGC
CTGCCAACAGCTCCGCATACACAGTACGAAAGACACCCGCATCTTCTGCAGGTGACCAGAGGGCCATC
GTGGAGGACTGCAGTGGGATCCAGTTCGCCCCCTTACACCTGGAGCTACCCGGAGATCGACAAGGACTTCG
AGAGCTCTGTTTTAGATAGGAGCAAAAATAACTGGAACGATGTTGACGATTTTAACTGGCTGGCCCGGGA
TATGGCCTCCCCAACTGGAGTATTCTTCTGAAGAGGAGCGAAAATATCCAGTGGGACTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003192 unedited
 ACTATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAAGCCAATA
 TGGAGTCCGTCAGTTGCTCCGCTGCTGCTGTCAGGACCGGAGACATGGAGTCCCAGCGGG
 ACCTGAGCCTGGTGCCTGAGCGGCTTACAGAGACGGAACAAGAAGCGCAGCTGGAAGTTG
 AAAGGCGGAAACAAAAGCGGCAGAACAGGAGGTAGAGAAGGAGAACAGCCACTTTTTCG
 TCGCCACCTTTGCTCGGGAGCGAGCGGCGTGGAAAGAGCTTCTGGAGCGCGGGAGTCCG
 TCGAGCGGCTGGAGGAGGCGGCTCTCGGCTCCAGGGGCTGCAGAAACTAATCAACGACT
 CAGTTTTTTTTCTAGCCGTTACGACCTGCGGCAGGGACAAGAGGCGCTGGCGCGGCTGC
 AGGCGGCCTTGGCCGAGCGGCGCGGGGCTGCAGCCAAAGAAGCGTTTCGCTTTCAAGA
 CCCGGGAAAGGATGCTGCTTCTGTCTACCAAAGTAGACGCGGCTCCTGGCATCCCCCGG
 CAGTTGAAAGCATACAGGACTCCCCGCTGCCAAGAAGCGGAAGGAGACCTCGGCCCA
 GCTGGGTCTGCGGTTTCTCCAACCTGGAGTCCCAAGTCTTGGAGAAGAGAACCAGCGAGT
 TGCACCAGCGGACGTTCTTTTACCCGACTGAGCAACTGCACGGTCAGACTGTATGGAA
 ATCCAACACCCTGCCGTAACCAAGGCCACAGCTGCAAGCTGCTCTGCGGTCCGGTGTCT
 ACCTCTGTTTTCTGGNAGACTGCANTGACTGCTTGTGTCAGTGGCCTTGCCAACAGCT
 CGCATCACAGTACGAAAGAACCCGCATCTTCTGCAGTTGACAGCAAGCCCATCGTGGAGA
 CTGCATGGGATCCATTCGCCCTCACCCGNACT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003192 unedited
 GCACGCAATCTATAGTCGAGTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTAACGGCAAACCTACTTTTTATGCACCGGATGTTTCAAGTTTCAC
 AACCTTTACAAAGCATTATTTCCCTCCTTCCCTTACTGGTTAAACTATTGGGG
 GAAAAATAAATAAATAAGCCCTGGGGGGGGGCTCACCCCTGTAATGCCACCCCTTTGG
 GAAGCTGAAGCGGGGGATCACCTGAGGGCAGGAGTTCAAAGCACCCCGACAACATGG
 GAAACCCCGTTTTACTAAAAATAAAGTTTCGCGGGGGGGNCCNCCNCCNCCNCCNCCNCC
 ANCCCCCCCCCTTTNNCCNCTTTTTTCTCCTCCCCCTCCTTTTCTTTT
 CCNCTCCCTTTTCCCTTCTCCTTTCTCCCTTTTTCCCTTTTCCCTTNTCCCCCTT
 CCCTTCTCCTTTTNTCCTTATTACTACCCCTCTCTACAATACTACCTCTCCTCACC
 CATTATGTCCAACTCCACCCAAATTTTTTTATATTAATAACAACCAACCTTCTTAT
 CCCATCAATATTTCTCCTCTCACCAATATCCCCCTCCCCTCACTCCCCTTCCCACCC
 CCTTTTTATCCCACTCCTCCCCCTTTTCCCCCTTCTTAAACAACCTCCACATCCC
 TTCTTCCCACATTTCCACCCCCACANCCAATTTTTCCACCCCTCCACAACCTCCC
 ACCTATCCCTAAATTAACCATCCCTTCCATCTCTTACTACTATTCTTATCCCTCCA
 TCCCCCTCCTTCCACCTCTTAAAAAATCTCCACACCCCCAACCCCAACCCCACTCA
 TTTTTCATCCCAACATCTATTTTC

Restriction Sites:

NotI-NotI

ACCN:

NM_003192

Insert Size:

1610 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_003192.1](#), [NP_003183.1](#)

RefSeq Size: 1675 bp

RefSeq ORF: 1041 bp

Locus ID: 6903

UniProt ID: [Q15814](#)

Cytogenetics: 6p21.1

Domains: CARP

Gene Summary: Cofactor C is one of four proteins (cofactors A, D, E, and C) involved in the pathway leading to correctly folded beta-tubulin from folding intermediates. Cofactors A and D are believed to play a role in capturing and stabilizing beta-tubulin intermediates in a quasi-native confirmation. Cofactor E binds to the cofactor D/beta-tubulin complex; interaction with cofactor C then causes the release of beta-tubulin polypeptides that are committed to the native state. [provided by RefSeq, Jul 2008]