

Product datasheet for **SC118123**

TBCE (NM_003193) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBCE (NM_003193) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBCE
Synonyms:	HRD; KCS; KCS1; pac2; PEAMO
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118123 sequence for NM_003193 edited (data generated by NextGen Sequencing)

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ATGAGTGACACTTTGACAGCGGATGTCATTGGTCTGAAGAGTTGAAGTTAATGGAGAACAT
GCAACAGTACGTTTTGCTGGTGTGTCCCTCCCGTGGCAGGACCTGGTTAGGAGTAGAA
TGGGACAATCCCGAGAGAGGAAAGCATGATGGGAGCCACGAAGGGACTGTGTATTTTAAA
TGCAGGCACCCGACAGGAGGATCCTTTATTCGTCGCAACAAGGTAATTTTGAACAGAC
TTTCTTACTGCAATTAAGAACCCTATGTGTTAGAAGATGGACCAGAGGAAGATAGAAAA
GAGCAAAATTGTTACAATTGGAAATAAACCTGTGGAGACTATCGGTTTTGACTCTATTATG
AAACAGCAAAGTCAGCTGAGCAAGTTGCAAGAAGTTTCTCTGAGGAACTGTGCAGTAAGT
TGTGCTGGTGAAAAAGGAGGAGTTGCTGAAGCATGTCCTAATATCAGAAAGGTAGATTTG
TCAAAAAACCTGTTGTCATCATGGGATGAAGTGATACACATTGCTGATCAGCTCAGACAC
CTGGAAGTCCTTAATGTCAGTGAATAAACTAAAATTTCCCTCCGGTTCAGTATTAAC
GGAACGCTTTCTGTACTGAAGGTTTTAGTCTCAATCAAACAGGAATAACGTGGGCTGAG
GTGCTGCGGTGTGTCGCGGGGTGCCAGGCCTGGAGGAACTCTACCTTGAGTCTAACAC
ATTTTCATTTCCGAAAGGCCAACAGATGTTCTCCAGACAGTCAAGTTATTAGATCTTTCC
TCTAATCAATTAATTGATGAAAAACAGCTGTATCTGATAGCCACCTGCCAGGTTAGAA
CAATTAATCCTCTCTGACACTGGAATTTCTTCTCTACATTTTCCGGATGTGGAATTGGG
TGCAAAACGTCCATGTTCCCATCCTTGAAGTACCTGGTAGTAAACGCAATCAGATATCA
CAATGGTCGTTTTTCAATGAGCTAGAGAAGTTACCAAGTCTACGGGCTTTGTCCTGCCTA
AGAAACCCCTGACCAAAGAGGACAAAGAAGCAGAGACGGCGGACTACTCATTATCGCC
AGCATTGGCCAGCTGAAGACGCTGAACAAATGTGAGATTCTCCCGAGGAGAGCGGAGA
GCTGAGCTTGACTACCGAAAAGCTTTTGGAAATGAGTGGAAACAGGCTGGTGGACATAAG
GATCCGGAAAAAACAGACTCAGCGAAGAATTCCTCACAGCCCATCCAGATACCCAGTTT
CTCTGCCTGAAATATGGTGCACCTGAAGATTGGGAACCTAAAACACAGCAACCCTTATG
CTGAAAAACCAGCTACTAACACTGAAGATAAAATACCCTCATCAACTTGATCAGAAAGTC
CTGAGAAAAAAGTCCCGGGCTCCATGACAATTCAAAAGGTGAAGGGATTGCTGTACGCT
CTTCTCAAAGTTCCTGTGTGACACCTTCTGTTGCTCTATGAAAGTCCCAAAAAGCCGGGC
AGAGAAATCGAGCTGAAAAATGACCTAAAGTCATTACAGTTTTATTCTGTGAAAAATGGA
GATTGTCTATTAGTGGGATGGTGA
    
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Clone variation with respect to NM_003193.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003193 unedited
NGTTCAAATTTTCGTATACGACTCACTATAGGCGGCCCGGAATTCGCACGAGGCCTCGT
GCCGAATTCGGCAGGAGGCTTCGCTGCTGGCAGTTGGCTGGAGGGGCTGCTGCTGGGAA
CACCTGGAGTCTCCGCGGCAGATCTCATATTTTGGATTCTGGATATATTATAATGAGTG
ACACTTTTACAGCGGATGTCATTGGTCTGAAGAGTTGAAGTTAATGGAGAACATGCAACAG
TACGTTTTGCTGGTGTGTCCTCCCGTGGCAGGACCCTGGTTAGGAGTAGAATGGGACA
ATCCCGAGAGAGGAAAGCATGATGGGAGCCACGAAGGGACTGTGTATTTTAAATGCAGGC
ACCCGACAGGAGGATCCTTTATTCGTCGCAACAAGGTAAATTTTGGAACAGACTTTCTTA
CTGCAATTAAGAACCCTATGTGTTAGAAGATGGACCAGAGGAAGATAGAAAAGAGCAAA
TTGTTACAATTGGAAATAAACCTGTGGAGACTATCGGTTTTGACTCTATTATGAAACAGC
AAAGTCAGCTGAGCAAGTTGCAAGAAGTTTCTCTGAGGAACTGTGCAGTAAGTTGTGCTG
GTGAAAAAGGAGGAGGTGCTGAAGCATGTCCTAATATCAGAAAGGTAGATTTGTCAAAA
ACCTGTTGTCATCATGGGATGAAGTGATACACATTGCTGATCAGCTCAGACACCTGGAAG
TCCTTAATGTCAGTGAATAAACTAAAATTTCCCTCCGNTCAGTATTAACCTGGAACG
CTTTCTGTACTGGAAGGTTTTAGTCTCAATCAAACAGGAATAACGTTGGCTTGAGTGCT
GCCGGTGTGTCGCGGGGTGCCAAGCCCTGGAGAACCCTACCCTTGAGTCTAACCCAT
TTTCATTTCAAAGGCCACAGATGTTCTC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003193 unedited ACCGCGGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTAGGTTCAAAGCCTTTA TTATTGCTATTATGTATAAGCCTAGAATGGTCACTTCCAACAAAAAATACATCCCTTGT TATACTTAGGACAAGTTGTAAACCCCTTTGTTTTGACAGTAGAATTGTTCCAGTGAATC ATTTATTTCCGGTGAACCCAGACACGATAAGCAGTGTGGTCTTTAAATTTTATTAGTTG GTTGTCAACATCGCACTAATAGACAATCTCCATTTTCCACAGAATAAACTGTAATGACT TTAGGTCATTTTCCAGCTCGATTTCTCTGCCCGGCTTTTTGGGACTTTCATAGGACAACA GAAGGTCTGACACAGGAACCTTGAGAAGACGTGACAGCAATCCCTTCACCTTTTGAATTG TCATGGAGCCCGCAGTTGTTTCTCCAGGACTTCTGATCAAGTTGATGAGGGTATTTTA TCTTCAGTGTTAGTAGCTGGTTTTTCAGCATAAGTGGTTGCTGTGTTTTGAGTTCCCAAT CTTCAGGTGCACCATATTTCAAGGAGAGGAAGTGGTATCTGGGATGGGCTGTGAGGAATT CTTCGCTGAGTCTGTTTTTCCGGATCCTTATGTCCACCAGCCTGTTTCCACTCATTTTC CAAAAGCTTTTCCGGTAGTCAAGCTCAGCTCTCCGCCTTCTCGGGGAGAATCTCACATT TGTTCAAGCTCTCAGCTGGCCAATGCTGGCGATAATGAGTAGTCGCCCGTCTCTGCTC TTTGTCTCTTTGTCAGGGGGTTCTTAAGCAGGACAAACCCGTAACCTGTTACTTCTCTA CTCATTGAAAACGACCTCGNGAATTTGATGTCGTTACTACANGACTTCAGGATGGAAGT CGGTTTGACCAATTCAGT
Restriction Sites:	NotI-NotI
ACCN:	NM_003193
Insert Size:	2050 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:	<ol style="list-style-type: none"> 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_003193.2 , NP_003184.1
RefSeq Size:	1882 bp
RefSeq ORF:	1584 bp
Locus ID:	6905
UniProt ID:	Q15813
Cytogenetics:	1q42.3
Domains:	CAP_GLY, LRR
Protein Families:	Druggable Genome

Gene Summary:

Cofactor E 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. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (a).