

## Product datasheet for **SC315584**

### TBCE (NM\_001079515) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TBCE (NM_001079515) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBCE
Synonyms:	HRD; KCS; KCS1; pac2; PEAMO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

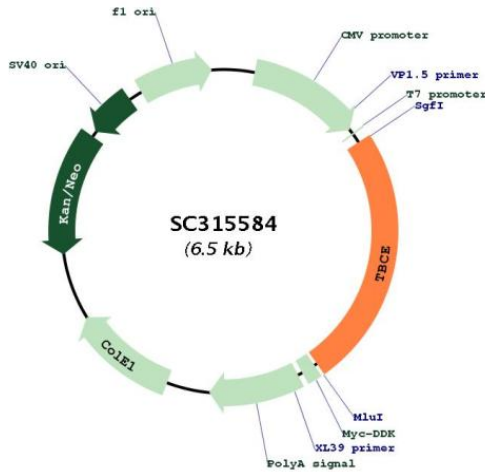
**Fully Sequenced ORF:** >SC315584 representing NM\_001079515.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAGTGACACTTTGACAGCGGATGTCATTGGTGAAGAGTTGAAGTTAATGGAGAACATGCAACAGTA
CGTTTTGCTGGTGTCCCTCCCGTGGCAGGACCGTGGTTAGGAGTAGAATGGGACAATCCCAGAGAGA
GGAAAGCATGATGGGAGCCACGAAGGGACTGTGTATTTTAAATGCAGGCACCCGACAGGAGATCCCTTT
ATTCGTCCGAACAAGGTAATTTTGAACAGACTTTTCTTACTGCAATTAAGAACCCTATGTGTTAGAA
GATGGACCAGAGGAAGATAGAAAAGAGCAAATTGTTACAATTGGAATAAACCTGTGGAGACTATCGGT
TTTGACTCTATTATGAAACAGCAAAGTCAGCTGAGCAAGTTGCAAGAAGTTTCTCTGAGGAACTGTGCA
GTAAGTTGTGCTGGTAAAAAGGAGGAGTTGCTGAAGCATGTCCTAATATCAGAAAGGTAGATTTGTCA
AAAAACCTGTTGTCATCATGGGATGAAGTGATACACATTGCTGATCAGCTCAGACACCTGGAAGTCCTT
AATGTCAGTGAATAAACTAAAATTTCCCTCCGGTTCAGTATTAAGTGAACGCTTTCTGTACTGAAG
GTTTTAGTCTCAATCAAACAGGAATAACGTGGGCTGAGGTGCTGCGGTGTGTCGCGGGGTGCCAGGC
CTGGAGAACTCTACCTTGAGTCTAACACATTTTCATTTCCGAAAGGCCAACAGATGTTCTCCAGACA
GTCAAGTTATTAGATCTTTCCTCTAATCAATTAATTGATGAAAATCAGCTGTATCTGATAGCCACCTG
CCCAGGTTAGAACAATTAATCCTCTGACACTGGAATTTCTTCTACATTTTCCGGATGCTGGAATT
GGGTGCAAACGTCATGTTCCCATCCTTGAAGTACCTGGTAGTAAACGACAATCAGATATCACAATGG
TCGTTTTTCAATGAGCTAGAGAAGTTACCAAGTCTACGGGCTTTGTCTGCCTAAGAAACCCCTGACC
AAAGAGGACAAAGAAGCAGAGACGGCGGACTACTCATTATCGCCAGCATTGGCCAGCTGAAGACGCTG
AACAAATGTGAGATTCTCCCGAGGAGAGGCGGAGAGCTGAGCTTGACTACCGAAAAGCTTTTGGAAAT
GAGTGGAAACAGGCTGGTGGACATAAGGATCCGGAAAAAACAGACTCAGCGAAGAATTCCTCACAGCC
CATCCCAGATACCAGTTCCTCTGCCTGAAATATGGTGACCTGAAGATTGGGAACCTCAAAACACAGCAA
CCACTTATGCTGAAAAACCAGCTACTAACACTGAAGATAAAATACCCCTCATCAACTTGATCAGAAAGTC
CTGGAGAAACACTGCCGGGCTCCATGACAATCAAAAGGTGAAGGGATTGCTGTCACGTTCTCAA
GTTCTGTGTCAGACCTTCTGTTGTCCTATGAAAGTCCCAAAAAGCCGGGAGAGAAATCGAGCTGGAA
AATGACCTAAAGTCATTACAGTTTTATTCTGTGAAAAATGGAGATTGCTATTAGTGCATGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_001079515

<b>Insert Size:</b>	1584 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001079515.2</a>
<b>RefSeq Size:</b>	2025 bp
<b>RefSeq ORF:</b>	1584 bp
<b>Locus ID:</b>	6905
<b>UniProt ID:</b>	<a href="#">Q15813</a>
<b>Cytogenetics:</b>	1q42.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	59.3 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform (a). Both variants 1 and 2 encode the same isoform.</p>