

Product datasheet for **SC336860**

TBCE (NM_001287801) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBCE (NM_001287801) 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)

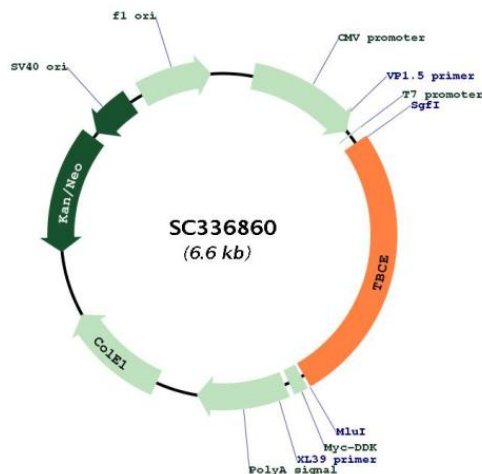


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Fully Sequenced ORF: >SC336860 representing NM_001287801.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
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CGTTTTGCTGGTGTGTCCCTCCCGTGGCAGGACCCTGGTTAGGAGTAGAATGGGACAATCCCAGAGAGA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001287801

Insert Size: 1737 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_001287801.1](#)

RefSeq Size: 2130 bp

RefSeq ORF: 1737 bp

Locus ID: 6905

UniProt ID: [Q15813](#)

Cytogenetics: 1q42.3

Protein Families: Druggable Genome

MW: 64.9 kDa

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 (3) differs in the 5' UTR and contains an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (b) is longer than isoform a.