

Product datasheet for **RC238966**

TBCE (NM_001287801) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBCE (NM_001287801) Human Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>RC238966 representing NM_001287801
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAGTGACACTTTGACAGCGGATGTCATTGGTCAAGAGTTGAAGTTAATGGAGAACATGCAACAGTAC
 GTTTTGCTGGTGTGTCCCTCCCGTGGCAGGACCTGGTTAGGAGTAGAATGGGACAATCCCGAGAGAGG
 AAAGCATGATGGGAGCCACGAAGGACTGTGTATTTTAAATGCAGGCACCCGACAGGAGGATCCTTTATT
 CGTCCGAACAAGGTAAATTTTGAACAGACTTTCTTACTGCAATTAAGAACCCTATGTGTTAGAAGATG
 GACCAGAGGAAGATAGAAAAGAGCAAAATGTTACAATTGGAAATAAACCTGTGGAGACTATCGGTTTTGA
 CTCTATTATGAACAGCAAAAGTCAGCTGAGCAAGTTGCAAGAAGTTTCTCTGAGGAAGTGTGCAGTAAGT
 TGTGCTGGTGA AAAAGGAGGAGTTGCTGAAGCATGTCCTAATATCAGAAAGGTAGATTTGTCAAAAAACC
 TGTTGTCATCATGGGATGAAGTGATACACATTGCTGATCAGCTCAGACACCTGGAAGTCCTTAATGTCAG
 TGAAAATAAACTAAAATTTCCCTCCGGTTCAGTATTAACCTGGAACGCTTTCTGTACTGAAGGTTTTAGTC
 CTCAATCAACAGGAATAACGTGGGCTGAGGCTCATGCGCAGTGTGGTGGCAGCAGGCACGGTCTCGACA
 TGCAGAAAGACGCCAGCAAGTTCGTGGATCTGTGCGTGTGCAGAAATGTCCACCAGCAACTGCATCAT
 CAGTGCCAAGGACCACACATCCATGCGGATGAACGTGGCCAAGGTGCTGCGGTGTGTGCGGGGTGCCCA
 GGCTGGAGGAAGCTACCTTGAGTCTAACAACATTTTCATTTCCGAAAGGCCAACAGATGTTCTCCAGA
 CAGTCAAGTTATTAGATCTTCTCTAATCAATTAATTGATGAAAATCAGCTGTATCTGATAGCCCACCT
 GCCCAGGTTAGAACAATTAATCCTCTCTGACACTGGAATTTCTTCTACATTTTCCGGATGCTGGAATT
 GGGTGCAAAACGTCATGTTCCCATCCTGAAGTACCTGGTAGTAAACGACAATCAGATATCACAATGGT
 CGTTTTTCAATGAGCTAGAGAAGTTACCAAGTCTACGGGCTTTGCTGCCTAAGAAACCCCTGACCAA
 AGAGGACAAAGAAGCAGAGACGGCGGACTACTATTATCGCCAGCATTGGCCAGCTGAAGACGCTGAAC
 AAATGTGAGATTCTCCCGAGGAGAGGCGGAGAGCTGAGCTTGACTACCGAAAAGCTTTTGGAAATGAGT
 GGAAACAGGCTGGTGGACATAAGGATCCGGA AAAAAACAGACTCAGCGAAGAATTCCTCAGACCCATCC
 CAGATACCAGTTCCTCTGCCTGAAATATGGTGCACCTGAAGATTGGGAAGTCAAAACACAGCAACCACTT
 ATGCTGAAAAACAGCTACTAACAAGTGAAGATAAAATACCCTCATCAACTTGATCAGAAAGTCTGGAGA
 AACAACTGCCGGGCTCCATGACAATTCAAAGGTGAAGGATTGCTGTCACGTCTTCTCAAAGTCTCTGT
 GTCAGACCTTCTGTTGTCCTATGAAAGTCCAAAAAGCCGGGCAGAGAAATCGAGCTGGAAATGACCTA
 AAGTCATTACAGTTTATTCTGTGGA AATGGAGATTGTCTATTAGTGCATGG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238966 representing NM_001287801
 Red=Cloning site Green=Tags(s)

MSDTLTADVIGRRVEVNGEHATVRFAGVPPVAGPWLGVWDNPERGKHDGSHEGTVYFKCRHPTGGSFI
 RPNKVNFGTDFLTAIKNRYVLEDGPEEDRKEQIVTIGNKPVETIGFDSIMKQQSQLSKLQEVSLRNCAVS
 CAGEKGGVAEACPNIRKVDLSKNLLSSWDEVIIHADQLRHLEVLNVSENKLKFPSSGVLGTLSVLKVLV
 LNQTGITWAEAHACGGSRHGLDMQKDASKFVLCVLQKCSTSNCIISAKDHTSMRMNVAKVLRVAGCP
 GLEELYLESNNIFISERPTDVLQTVKLLDLSSNQLIDENQLYLIAHLPRLEQLILSDTGISLHFPDAGI
 GCKTSMFPSLKYLVVNDNQISQWSFFNELEKLPSLRALSCLRNPLTKEDKEAETARLLIIASIGQLKTLN
 KCEILPEERRRAELDYKAFGNEWKQAGGHKDPEKNRLSEEFHTAHPRYQFLCLKYGAPEDWELKTQQPL
 MLKNQLLTLKIKYPHQLDQKVEKQLPGSMTIQKVGLLSRLLKVPVSDLLL SYESPKKPGREIELENDL
 KSLQFYSENGDCLLVRW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001287801

ORF Size: 1734 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001287801.2](#)

RefSeq Size: 2130 bp

RefSeq ORF: 1737 bp

Locus ID: 6905

UniProt ID: [Q15813](#)

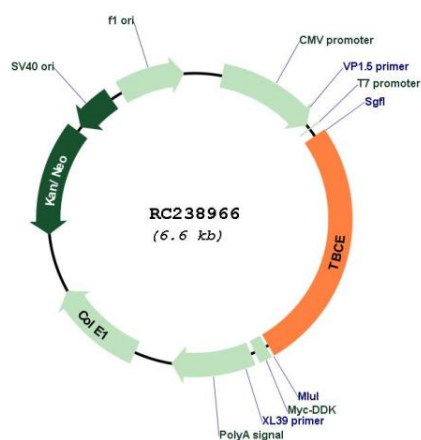
Cytogenetics: 1q42.3

Protein Families: Druggable Genome

MW: 65.3 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]

Product images:



Circular map for RC238966