

Product datasheet for RC200381

TBCD (NM_005993) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TBCD (NM_005993) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TBCD
Synonyms: PEBAT; SSD-1; tfcD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200381 representing NM_005993
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCTGAGCGACGAACCGGCCGCGGGCGGCCCGAGGAGGAGGCGGAGGACGAGACTGGCCTTTG
 GCGCGGCGCTGGAAGCGTTCGGCGAGAGCGGAGACCCGGGCGCTGCTGGGCGCCTGCGGGAGGTGCA
 CGGCGGCGCGCGGAGCGGAGGTGGCCCTGGAGCGGTTCCGCGTAATAATGGACAAATACCAGGAGCAG
 CCTCATCTGTTGGACCCGACCTTGAATGGATGATGAACCTGTTGTTGGACATAGTGCAAGATCAGACAT
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 CCCAAGGACCATGAAGCTTGGGAAACCCGCTACATGCTTTTGCTCTGGCTCTCCGTGACCTGCCTGATCC
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 GGCACAAATATTTAAACATGGAAAACGTGAAGACTGTTTGCCCTATGCTGCCACTGTCTCAGGTGCCTC
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GCCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200381 representing NM_005993
 Red=Cloning site Green=Tags(s)

MALSDEPAAGGPEEEAEDETLAFGAALAFGESAETRALLGRLREHVHGGGAEREVALERFRVIMDKYQEQ
 PHLLDPHLEWMMNLLLDIVQDQTPASLVHLAFKFLYIITKVRGYKTFLLRFPHEVADVEPVLDLVTIQN
 PKDHEAWETRYMLLLWLSVTCLIPFDFSRLDGNLLTQPGQARMSIMDRILQIAESYLIVSDKARDAAVL
 VSRFITRPDVKQSKMAEFLDWSLCNLARSSFQTMQGVITMDGTLQALAQIFKHGKREDCLPYAATVLRCL
 DGCRLPESNQTLRLKLGKLVQRLGLTFLKPKVAAWRYQRGCRSLAANLQLLTQGGSEQPLILTEDDDE
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 LALAEELGRRLLPSRLVDVVAVILKALTYDEKRGACSVGTNVRDAACYVCWAFARAYEPQELKPFVTAI
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 TRCGFSLALGALPGFLLKGRLLQVLTGLRAVTHTSPEDVSFAESRRDGLKAIARICQTVGVKAGAPDEAV
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 HVLLGLVYSLGGLTESTIRHSTQSLFEYMKGIQSDPQALGSFSGTLLQIFEDNLLNERVSVPLKTLDHV
 LTHGCFDIFTTEEDHPFAVKLLALCKKEIKNSKDIQKLLSGIAVFCEMVQFPGDVRQALLQLCLLLCHR
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 AC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8112_a09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

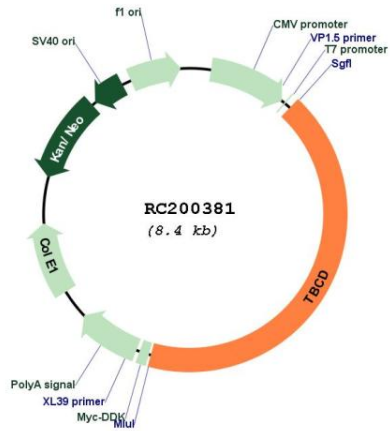


ACCN: NM_005993

ORF Size: 3576 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:	<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_005993.5
RefSeq Size:	4449 bp
RefSeq ORF:	3579 bp
Locus ID:	6904
UniProt ID:	Q9BTW9
Cytogenetics:	17q25.3
Domains:	B-tub_coD
MW:	132.4 kDa
Gene Summary:	Cofactor D 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]

Product images:



Circular map for RC200381