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Product datasheet for RC235874

TBCA (NM_001297738) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBCA (NM_001297738) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TBCA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235874 representing NM_001297738 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCGATCCTCGCGTGAGACAGATCAAGATCAAGACCGGCGTGGTGAAGCGGTTGGTCAAAGAAAAAG TGATGTATGAAAAAGAGGCAAAACAACAAGAAGAAAAGATTGAAAAAATGAGAGCTGAAGACGGTGAAAA TTATGACATTAAAAAGCAGGCAGAGATCCTACAAGAATCCAGGATGATGATCCCAGATTGCCAGCGCAGG TTGGAAGCCGCATATTTGGATCTTCAACGGATACTAGTAAGCAAAGACTTCTGTGTCATGTTTAAATTTT TTTTTTCAATCCAATACATGGAAAGCCAAAAGTTTAAATATTTAACACTGAGAACTAGTTGGCAGTATTT CTTATTCACTTGCCCTTTATACCGCTATATTTTAAAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC235874 representing NM_001297738 Red=Cloning site Green=Tags(s) MADPRVRQIKIKTGVVKRLVKEKVMYEKEAKQQEEKIEKMRAEDGENYDIKKQAEILQESRMMIPDCQRR LEAAYLDLQRILVSKDFCVMFKFFFSIQYMESQKFKYLTLRTSWQYFLFTCPLYRYILK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

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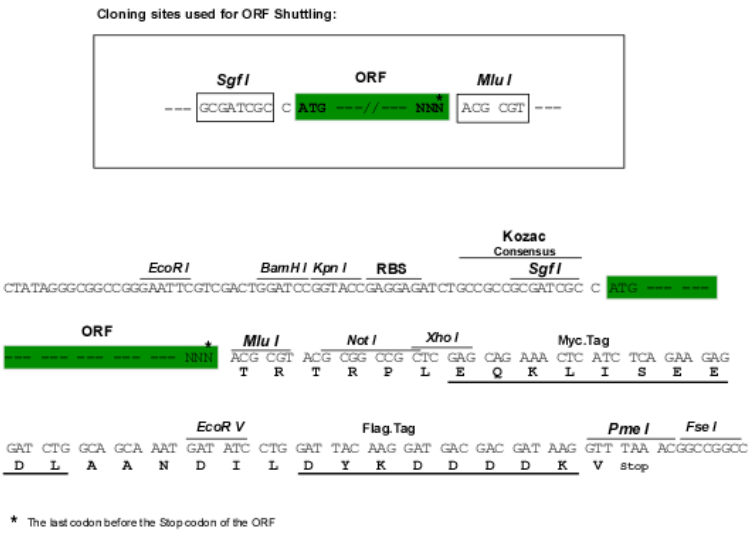
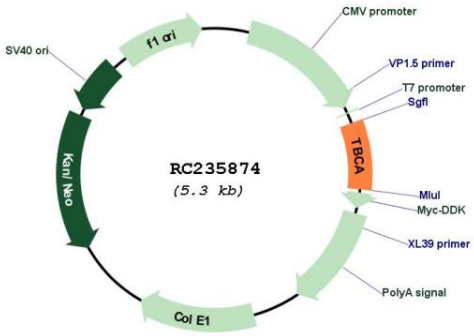
Cloning Scheme:



ACCN:	NM_001297738
ORF Size:	387 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_001297738.2

RefSeq Size:	2447 bp
RefSeq ORF:	390 bp
Locus ID:	6902
UniProt ID:	O75347
Cytogenetics:	5q14.1
MW:	16.2 kDa
Gene Summary:	The product of this gene 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. This gene encodes chaperonin cofactor A. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RC235874