

Product datasheet for SC117262

TBCA (NM_004607) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBCA (NM_004607) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBCA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004607 edited ATGCCGATCCTCGCGTGAGACAGATCAAGATCAAGACCGCGTGGTGAAGCGTTGGTC AAAGAAAAGTGATGTATGAAAAAGAGGCAAAACAACAAGAAGAAAAGATTGAAAAATG AGAGCTGAAGACGGTGAAAATTATGACATTAAGCAGGCAGAGATCCTACAAGATCC AGGATGATGATCCAGATTGCCAGCGCAGGTTGGAAGCCGCATATTTGGATCTTCAACGG ATACTAGAAAATGAAAAAGACTTGAAGAAGCTGAGGAATATAAAGAAGCACGTTTAGTA CTGGATTCAGTGAAGTTAGAAGCCTGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004607 unedited CGGCCCGAATTCGGCAGGACCGGCGACCACGCCTAAATAGCCGCGCCTCTGCGCGTC GCCCTCCACGGTTACCCGGCTCTCCGCCCTCCTTCTCGCGGCGCTCGAGGGACCATGG CCGATCCTCGCGTGAGACAGATCAAGATCAAGACCGCGTGGTGAAGCGTTGGTCAAAG AAAAAGTGATGTATGAAAAAGAGGCAAAACAACAAGAAGAAAAGATTGAAAAATGAGAG CTGAAGACGGTGAAAATTATGACATTAAGCAGGCAGAGATCCTACAAGATCCAGGA TGATGATCCCAGATTGCCAGCGCAGGTTGGAAGCCGCATATTTGGATCTTCAACGGATAC TAGAAAATGAAAAAGACTTGAAGAAGCTGAGGAATATAAAGAAGCACGTTTAGTACTGG ATTCAGTGAAGTTAGAAGCCTGAACTTTTCTCGTATGGGGTGGTTTTTGCATTAATC CTGGGGTCCATTTACAATCCATTATTTTACCCTGCTATGTGTTCAAGTAGTATGAG AATGTGATTGTTTTATCTGGTTATATATATTTCTTTGCTAATTTAATATGTCAAATA AATGGAGTTCATCTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA TTTCTGACAGATCCCGGTGGCATCCTGTGACCCTCCAGTGCCTCTCCTGGCCTGGA A
Restriction Sites:	NotI-NotI
ACCN:	NM_004607



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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:	<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_004607.1 , NP_004598.1
RefSeq Size:	574 bp
RefSeq ORF:	327 bp
Locus ID:	6902
UniProt ID:	O75347
Cytogenetics:	5q14.1
Domains:	TBCA
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) has a split 3' terminal exon, which results in an alternate translation stop codon, compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>