

## Product datasheet for MR205107

### Tbcc (NM\_178385) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tbcc (NM_178385) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbcc
Synonyms:	2810055C19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205107 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGGTGTGGACTGCTCCATGGCTCTGGCCGACGCTGCCGCTGGCTCCCCGCGGGACCTGAGCCTGG  
TGCCCCGAGCGACTTCAGAGGCGCGAACAGGAGAGGCAGATAGAGGTGGAGAGACGCAAGCAGAAGCGGCA  
GGACCAGGAGGTGGAGGAGGAGAAGAGCGGCTTCTCGCCGCGCCTTCGCCGGGAGCGCGAGCGGTC  
GAGGAGCTGCTGCGGGGCGAGGCGTCGGCGGAGCGGCTGGAAGAGGCGGCCAACCGGCTCCAGGGCCTGC  
GGAAGCTCCTGAACGACTCGGTGCTCTTCTCGCCGCTACGACCTGCGGCAGGGCCAGGCGGCGTTGGC  
GCAGCTGCAGGCTGTCTAACGGAACGTCGCCAGGAGTTGCAGCCCAAGAAGCGCTTCGCCTTAAGGCA  
CGGAAGAAGGATGCTGCGGGGACCGCCAGGTAGACGCCGACCCGTCACCTCGGCGGCCCTTCTCCAC  
CGGTGACCAAGGAGGAGGAGGGAGCTCCCGGGGCCAGTGGGCTGTGGCTTCTCCAACCTGGAGTCCCA  
AGACCTGGAGAAGAGAGCTGAAGAGCTGCACCAGCGCAGCTCCTTTGAGCGACCTGACCAACTGCACT  
GTCAAAGTGTGTGCAATCCCAACACCTTGCAGGCTTGCAGGCGCCGCGGCTGCAAGGTGCTCTGCGGCC  
CAGTGACCACCTCTGTGTTTCTGGAGATTGTCGAGATTGCGTCTGGCTGTGGCTTCCAGCAGCTCCG  
TGTGCACACTACCAAAGACACGCGGCTTCTTGAAGTGACAGCAGGGCTATCGTGGAGGACTGCAGC  
GGCATCCAGTTTGCCCTTACACCTGGAGCTACCGGGGATCGACAAGGACTTCCAGGACTCCGGTTTAG  
ATAGGAGCAAAAATAAAGTGGGACCAAGTTGATGATTTCAACTGGCTGGCCGAAAACGTGGCTCCCCAAA  
CTGGAGTATTCTTCTGAAGAGGAGAGACATCCAGTGGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205107 protein sequence  
 Red=Cloning site Green=Tags(s)

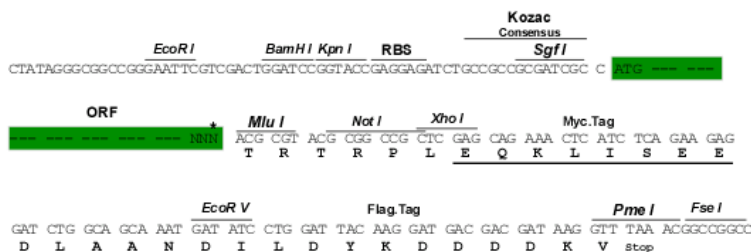
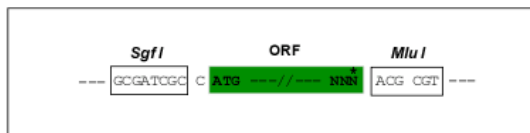
MEGVDCSMALADAAAGSPRDL SLVPERLQRREQERQIEVERRKQKRDQVEVEEEKSGFFAAAFARERAAV  
 EELLRGEASERLEEAANRLQGLRKL LND SVLFLAAYDLRQGQAALQAVL TERRQELQPKKRF AFKA  
 RKKDAAGTAQVDAAPVTS AAPSPVTK EEEGAPGASWACGFSNLESQDLEKRAEELHQ RDVLLSDL TNCT  
 VKL CGNPNTLR LAKARGCKVL CGPVTT SVFLEDCRDCVLAVACQQLRVHTTKDTRVFLQVTSRAIVEDCS  
 GIQFAPYTWSYPGIDKDFQDSGLDRSKNNWDQVDDFNWLNVA SPNWSILPEEERDIQWD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_178385

**ORF Size:** 1026 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.

**RefSeq:** [NM\\_178385.2](#)

**RefSeq Size:** 1843 bp

**RefSeq ORF:** 1026 bp

**Locus ID:** 72726

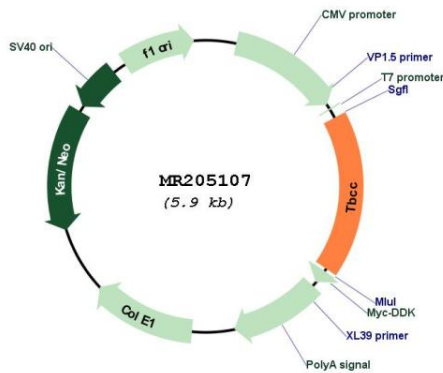
**UniProt ID:** [Q8VCN9](#)

**Cytogenetics:** 17 C

**MW:** 38.1 kDa

**Gene Summary:** Tubulin-folding protein; involved in the final step of the tubulin folding pathway. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR205107