

Product datasheet for **MG205107**

Tbcc (NM_178385) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbcc (NM_178385) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tbcc
Synonyms:	2810055C19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205107 representing NM_178385 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGTGTGGACTGCTCCATGGCTCTGGCCGACGCTGCCGCTGGCTCCCCGCGGGACCTGAGCCTGG
TGCCCGAGCGACTTCAGAGGCGCGAACAGGAGAGGCAGATAGAGGTGGAGAGACGCAAGCAGAAGCGGCA
GGACCAGGAGGTGGAGGAGGAGAAGAGCGGCTTCTCGCCGCGCCTTCGCCGGGAGCGCGAGCGGTC
GAGGAGCTGCTGCGGGGCGAGGCGTCGGCGGAGCGGCTGGAAGAGGCGGCCAACCGGCTCCAGGGCCTGC
GGAAGCTCCTGAACGACTCGGTGCTCTTCTCGCCGCTACGACCTGCGGCAGGGCCAGGCGGCGTTGGC
GCAGCTGCAGGCTGTCTAACGGAACGTCGCCAGGAGTTGCAGCCCAAGAAGCGCTTCGCCTTCAAGGCA
CGGAAGAAGGATGCTGCGGGGACCGCCAGGTAGACGCCGACCCGTCACCTCGGCGGCCCTTCTCCAC
CGGTGACCAAGGAGGAGGAGGGAGCTCCCGGGGCCAGTGGGCTGTGGCTTCTCCAACCTGGAGTCCCA
AGACCTGGAGAAGAGAGCTGAAGAGCTGCACCAGCGCAGCTCCTTTGAGCGACCTGACCAACTGCACT
GTCAAAGTGTGTGGAATCCCAACACCTTGCAGGCTTGCAGAGGCCCGGGCTGCAAGGTGCTCTGCGGCC
CAGTGACCACCTCTGTGTTTCTGGAGATTGTCGAGATTGCGTCTGGCTGTGGCTTCCAGCAGCTCCG
TGTGCACACTACCAAAGACACGCGGCTTCTTGAAGTGACAGCAGGGCTATCGTGGAGGACTGCAGC
GGCATCCAGTTTGCCCTTACACCTGGAGCTACCGGGGATCGACAAGGACTTCCAGGACTCCGGTTTAG
ATAGGAGCAAAAATAAAGTGGGACCAAGTTGATGATTTCAACTGGCTGGCCGAAAACGTGGCTCCCCAAA
CTGGAGTATTCTTCTGAAGAGGAGAGACATCCAGTGGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205107 representing NM_178385
 Red=Cloning site Green=Tags(s)

MEGVDCSMALADAAAGSPRDL SLVPERLQRREQERQIEVERRKQKQRQDQVEVEEEKSGFFAAAFARERAAV
 EELLRGEASAERLEEAANRLQGLRKL LND SVLFLAAYDLRQGQAALQ LQAVL TERRQELQPKRF AFKA
 RKKDAAGTAQVDAAPV TSAAPSPVTK EEEGAPGASWACGFSNLE SQDLEKRAEELHQ RDVLLSDL TNCT
 VKLCGNPNTLR LAKARGCKVLCGPVTT SVFLEDCRDCVLA VACQQLRVHTTKDTRVFLQVTSRAIVEDCS
 GIQFAPYTWSYPGIDKDFQDSGLDRSKNNWDQVDDFNWLNARNVASPNWSILPEEERDIQWD

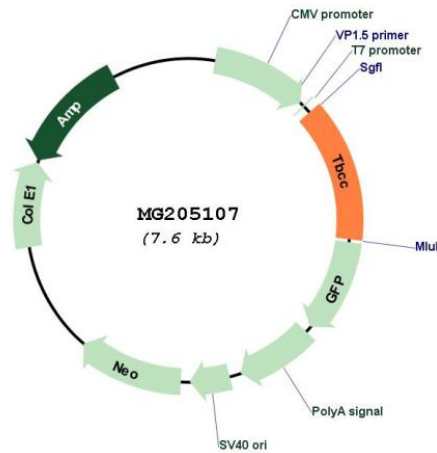
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_178385

ORF Size: 1023 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_178385.2
RefSeq Size:	1843 bp
RefSeq ORF:	1026 bp
Locus ID:	72726
UniProt ID:	Q8VCN9
Cytogenetics:	17 C
Gene Summary:	Tubulin-folding protein; involved in the final step of the tubulin folding pathway. [UniProtKB/Swiss-Prot Function]