

## Product datasheet for **MG215714**

### Twistnb (NM\_172253) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Twistnb
<b>Synonyms:</b>	2410173G11; 2810024J17Rik; D16Wsu83e
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG215714 representing NM\_172253  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCTGCGGGATCTGTGGAGTCTCAGCGGTCCCAGGCGGCTTCCGAGAGGCCCGTGGCGGGTCAGGCCG  
GGTCTGCCTTGCTGGAGTTGCCGAGCTACGCGCGCGCTGCGCGCTGGTGGGCAGCCGCTATTTCGTG  
CTTGGTGGCTGCCCGCACCGCAGGCACATCGCCCTGTCGCCCCGTACCTGAGCAGGAAGCGCACGGGC  
ATCCGCGAGCAGCTGGACGCCGAGCTCCTGCGCTACTCCGAGGCCTTTAGGTGTCCCTATTGCATATG  
ATAACATCAGAGTTGTGGTGAAC TAGGAGATATTTATGATGATCAAGGACACATTCATCTTAACATTGA  
AGCAGATTTTGTATTTCTGCCCTGAGCCTGGCAGACGTTAATGGGTACAGTTAATAAAGTATCGTCT  
AGCCATATTGGCTGTCTAGTCCATGGATGTTTTAACGCCTCTATCCCTAAGCCTGAGCAGATGTCATATG  
AGGAGTGGCAAACATTGGAGATACATGTAGCGATGAACTGGAATTTGATGATTTTCGCTTAGATTCAGA  
TTCTGCTGGAGTGTCTGCATTTCGAGGAAAAGTACCACCAGTTTGCAACTTAAGCACTCTGCAGTT  
TCTGAAGATGTAGCAGAAAAGTGTCTTGAAGAGGTTGTTGAAAAAAGTCCAAAGAAAGAAAAGAAAGA  
AAGACAAAGATACAGACACATGTGGAACAGTTGATAGTGTACAGAGGTAGCAGATGTTACAGATGTCAC  
GCCACAGGAAGAAACAGACATACCATGTAGTGATAATGTGAATGACTTCTTTGAGGAAGGCCAAAGAAG  
AAGAAAAAGAAGAAGAAAAGGCCACAGGAAGATCAGGACCCCAATTTCCAAGCCAAGTCCAGTGGCT  
ACCAGAGTACCATAACAAGAAAAAAGAAAAGAACAGCAGTGAAGAGGCTAACTTTGAGTCACCTAA  
GAAGAGACAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



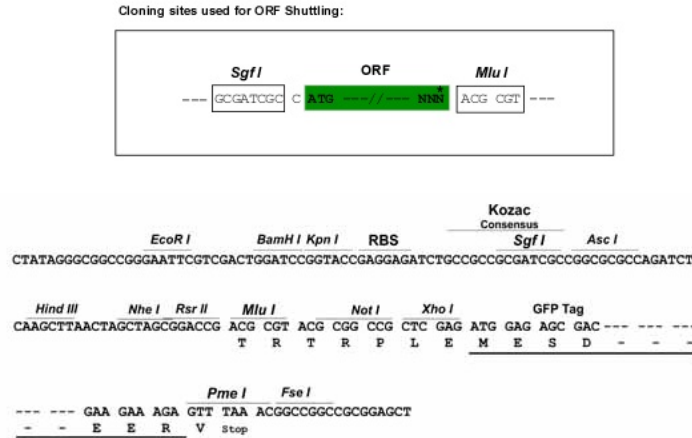
**Protein Sequence:** >MG215714 representing NM\_172253  
 Red=Cloning site Green=Tags(s)

MAAGSVESQRSQAASERPVAGQAGVLPCLLELPYAAACALVGSRYSCLVAAPHRRHIALSPRYLSRKRTG  
 IREQLDAELLRYSESLLGVPPIAYDNIRVVGELGDIYDDQGHHLNIEADVFVIFCPEPGQTLMGTVNKVSS  
 SHIGCLVHGCFNASIPKPEQMSYEEWQTLEIHVGDELEFDVFRLSDSAGVFCIRGKLSTTSLQLKHSAY  
 SEDVAETVVEEVVEKTPKKKKKKDKDTDTCGTVDVSVTEVADVTDVTPQEETDIPCSDNVNDFFEEEPKK  
 KKKKKKRHQEDQPIFQASDSSGYQSDHNKKKKKRKHSEANFESPKKRQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_172253

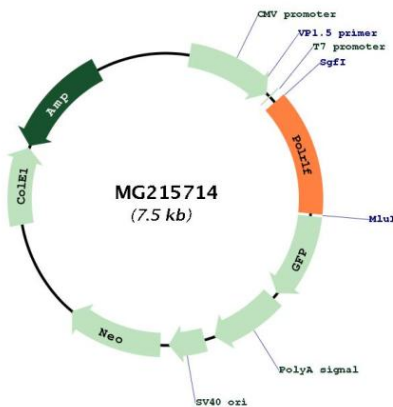
**ORF Size:** 990 bp

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_172253.2</a> , <a href="#">NP_758457.1</a>
<b>RefSeq Size:</b>	2324 bp
<b>RefSeq ORF:</b>	993 bp
<b>Locus ID:</b>	28071
<b>UniProt ID:</b>	<a href="#">Q78WZ7</a>
<b>Cytogenetics:</b>	12 A3
<b>Gene Summary:</b>	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase I which synthesizes ribosomal RNA precursors. Through its association with RRN3/TIF-1A may be involved in recruitment of Pol I to rDNA promoters.[UniProtKB/Swiss-Prot Function]

**Product images:**

Circular map for MG215714