

Product datasheet for **MR215714**

Twistnb (NM_172253) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Twistnb
Synonyms:	2410173G11; 2810024J17Rik; D16Wsu83e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR215714 representing NM_172253
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCGGGATCTGTGGAGTCTCAGCGGTCCAGGCGGCCCTCCGAGAGGCCCGTGGCGGGTCAGGCCG
GGGTCTGCCTTGCGTGGAGTTGCCGAGCTACGCGCGCGCTGCGCGCTGGTGGGCAGCCGCTATTCGTG
CTTGGTGGCTGCCCGCACCAGGCAGGCATCGCCCTGTCGCCCCGCTACCTGAGCAGGAAGCGCACGGGC
ATCCGCGAGCAGCTGGACGCCGAGCTCCTGCGCTACTCCGAGAGCCTTTAGGTGTCCCTATTGCATATG
ATAACATCAGAGTTGTGGGTGAAGTACGAGATATTTATGATGATCAAGGACACATTCATCTTAACATTGA
AGCAGATTTTGTATTTCTGCCCTGAGCCTGGGCAGACGTTAATGGGTACAGTTAATAAAGTATCGTCT
AGCCATATTGGCTGTCTAGTCCATGGATGTTTTAACGCCTCTATCCCTAAGCCTGAGCAGATGTCATATG
AGGAGTGGCAAACATTGGAGATACATGTAGCGATGAAGTGAATTTGATGATTTTCGCTTAGATTTCAGA
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TCTGAAGATGTAGCAGAACTGTCGTTGAAGAGGTTGTTGAAAAAAGTCCAAAGAAAGAAAGAAAGAA
AAGACAAAGATACAGACACATGTGGAACAGTTGATAGTGTTACAGAGGTTGCAGATGTTACAGATGTCAC
GCCACAGGAAGAAACAGACATACCATGTAGTGATAATGTGAATGACTCTTTGAGGAAGAGCCAAAGAAG
AAGAAAAAGAAAGAAAGAAAGGACCAAGGATCAGGACCCCATTTTCAAGCCAGTGACTCCAGTGGCT
ACCAGAGTGACCATAACAAGAAAAAAGAAAGAAAGCAGTGAAGAGGCTAACTTTGAGTCACCTAA
GAAGAGACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

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>MR215714 representing NM_172253
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Red=Cloning site Green=Tags(s)

MAAGSVESQRSQAASERPAGQAGVLPCLLEPSYAAACALVGSRYSCLVAAPHRRHIALSPRYLSRKRTG
IREQLDAELLRYSESLLGVPIAYDNIRVVGELGDIYDDQGHILNIEADFVIFCPEPGQTLMGTVNKVSS
SHIGCLVHGCFNASIPKPEQMSYEEWQTLETHVGDELEFDFVRLDSDSAGVFCIRGKLSSTLSQLKHS
SEDVAETVVEEVEVKTPKSKKKKKDKDQTDCTGVDSKRVSEADVDTVPQGETIDPCSDNVNDFEEEPKK
KKKKKKRHOEDDPOIFAQSDSSGYSDHNKKKKKKRKHSEANFESPKKRO

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms:

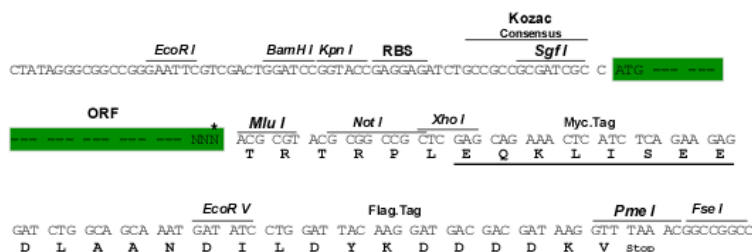
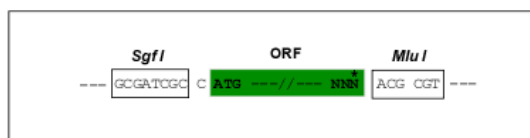
https://cdn.origene.com/chromatograms/mm9108_b09.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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).

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_172253.2](#), [NP_758457.1](#)

RefSeq Size: 2324 bp

RefSeq ORF: 993 bp

Locus ID: 28071

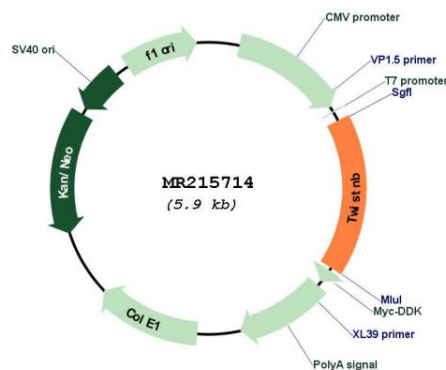
UniProt ID: [Q78WZ7](#)

Cytogenetics: 12 A3

MW: 36.7 kDa

Gene Summary: 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-IA may be involved in recruitment of Pol I to rDNA promoters.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215714