

Product datasheet for **MG206986**

Ttc14 (BC024847) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc14 (BC024847) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ttc14
Synonyms:	cl-44, mKIAA1980
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206986 representing BC024847 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCGCGACTTGCTGCGGCAGTCGCTGGGCTGCCACGGCCCGCCCTGCTGTGCTGCTGCGGAGTG
AACAGCAGGACAACCCGCACTTCGGAGCCTGCTGGGCACGGCGGCCGAGCCAGCCCGCGCGCGCGCC
TCCTCCGGGAGCCGCGCAGGAAAGAGAAGAGAGTTGACAACATTGAAATACAAAAATTCATCTCTAAAAA
GCGGATCTGCTTTTGCAGTGTCTTGGAAATCAGACGCATCTCCACCCTCTGAAGTGCATGACGACAATG
ACAATCTTTATGCGGTTCATGCCACCCTTAGAGCAGTTCATGGAGATGCCAAGCATGGACCGAGAGAGCT
CTTCTCCGAGATATTGAACGTGGTGATATAGTGATTGGAAGAATTAGCTCTATTCGGGAGTTTGGTTTT
TTCATGGTGTTGATCTGTTAGGAAGTGGCATCGTGAGAGATATTCGCACTTAGAAATCACAGCTCTTT
GTCCCTTAAGAGATGTGCCTTCTCACAGTAACCATGGAGATCCTTTATCATATTATCAAAGTGGTGACAT
AATTCGAGCTGGAATCAAGGATATTGACAGATACCATGAAAAGCTTGAGTATCTCTGTATAGCTCATCT
CTTCTCCACACATGGCTGGCATTAACTAGGTGTGATCACTTCTGAAGAGCTTCCTTTGTACTACAGGA
GGAGTGTTGAACTAAATAGTAATTCTTTGGAGTCCTATGAAAATATCATGCAGAGTTCTCTGGGATTTGT
TAATCCAGGAGTAGTTGAATTCCTTCTAGAGAACTAGGAATAGATGAATCTCATCCACCGTCTTTAATG
AGAGGCCACAAAGCAAAATTTCTCTGAAGATGATTTTGCTTCAGCATTAGAAAGAAGCAGTCAGCAT
CTTGGGCTTTAAATGTGTGAAGATTGGAGTCGATTATTTAAGGTGGGCGGACATGTGGATGCTATGAA
CGAATACAATAAAGCTCTGGAATAGACAAACAAATGTGGAGGCTTTGGTAGCGGAGGAGCATTATAT
GCAACAAAGGAAGTCTAAACAAAGCAATAGAAGATTTTGAGCTCGCATTAGAAAAGTCCCAACTCATA
GGAATGCAAGGAAATATCTCTGCCAGACACTTGTAGAAAGGGGAGGCGAGTTAGAAGAAGAAGAAAGTT
TCTAAATGCTGAAAGTTACTATAAGAAAGCTCTGACTTTGGATGAGACTTTTAAAGATGCAGAGGATGCT
TTGCAGAACTTCATAAATATATGCAGGTGATTCTTTATTTCTCTTTGAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206986 representing BC024847
 Red=Cloning site Green=Tags(s)

MDRDLLRQSLGCHGPALLSLLRSEQQDNPHFRSLLGTAAEPARGAAPPPGAGRKEKRVNDNIEIQKFISKK
 ADLLFALSWKSDASPPSEVHDDNDNLAYVMPPLEQFMEMPSMDRRELFFRDIERGDIVIGRISSIREFGF
 FMVLICLGGSGIVRDISHLEITALCPLRDVPSHSNHGDP LSYQTGDIIRAGIKDIDRYHEKLAVSLYSSS
 LPPHMAGIKLGVITSEELPLYRRSVELNSNLSYENIMQSSLG FVNPGVVEFLLEKLGIDESHPPSLM
 RGLQSKNFSEDDFASALRKQSAWALKCVKIGVDYFKVGRHVDAMNEYNKALEIDKQNEALVARGALY
 ATKGSLNKAIEDFELALENCPTHNRARKYL CQTLVERGGQLEEEEEKFLNAESYYKKALTLD ETKDAEDA
 LQKLHKYMQVILYFLFEI

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC024847

ORF Size: 1316 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: [BC024847](#), [AAH24847](#)

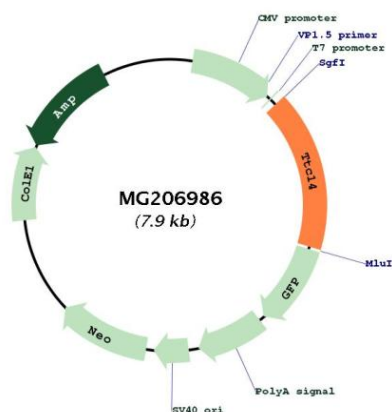
RefSeq Size: 2462 bp

RefSeq ORF: 1316 bp

Locus ID: 67120

Cytogenetics: 3 A3

Product images:



Circular map for MG206986