

Product datasheet for **RG205980**

TTC31 (NM_022492) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TTC31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205980 representing NM_022492
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGCCGATTCCAAAGACTGTGGGCGGATCAAGCTAGACTGCTCTCTACGGCCAGCTGCCCACTGG
 AGGTCGCTGCTGCACCCAACTTTGCAAGGAATTCGGTCCAGAGGATTACGGCGAAGAGGACATAGTGGA
 TTTTCTTCGACGGCTTGTGGAGAGTGATCCCCAGGGCCTGCACCGATCCATGTGGATGGGAGCAGCGGG
 CGGCTGCAGCTGTGGCACCATGATTACCTCCTGGGCCACTTGGATGATGAAGGGAATCAACTGGACAGA
 GTGACAGGGGCAAGGGGGCTGAGGGACTGGGCACCTACTGTGGTCTCCGCAAGTCCTTCCTGTATCCTCC
 CCAAGAGTCTGAGCCCTGCCCTCAAAGCCCTCTGCCTCTGCCACCTTCCCAGTGTCTCAGACAGCCCTG
 CTTAGGTGGCCATGCCCCAGAAGCTCCTGGTGACAGAAGAGGAAGCCAATCGCCTGGCTGAGGAGCTGG
 TGGCTGAGGAGGAGCGCATGAAACAGAAAGCAGAGAAAAAGCGACTCAAGAAGAAGCGTCAAAGGAACG
 GAAGCGACAGGAGCGTTTGGAGCAGTACTGTGGGAGCCCAAGGCCAGCACTACCTCAGATGGAGATGAG
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 CTAGCACTTTTGTGTCTCTGGCTTTGCGCAAGGTTGGGGATTGGCCCTCAGTCCCCGAGAGAGAAGGG
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 AGAGAGGAGAGGCCCCAGCAGAGTCAAAGGTACAGGCATCTCCGGGACTGCTGGCAGCTGCCTTACAAC
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 CTTACCCAGGCCCTGAAGCTCAACCCCAAGGACCACCGGTTATTTGAAATCGTTCCTTCTGCCATGAG
 CGGTTGGGTGAGCAGCGTGGGCCCTGGCTGATGCCAGGTGGCCCTTACCCTACGGCCTGGCTGGCCCC
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 GGAAATCTGAGAGGTGGGTCCAGCCTGACGAGCCGAGAGCTCCACTCTTGCCTTCTCCACCTCACA
 CTGCAGGTCAGCAGGAGGAATCTGTGCACCCTCTGTACCTGGGGCCCTCCAGCCACTTCCCCATG
 CTGAGCTGGCACCCTCAGGCCTACCTTCCCTCAGTGCCCTCGAAGCACTGCTTTGAGGTCCCCTGGCCT
 GTCTCCACTCTTGCAATTATCTTATGTACCGAAGCCACCCCAACCAGCCCCCTCTCCAGACTCAGAGT
 AGAAGGCCCATCCTCTCAAGCCCCAGGACCCTTCAAAGGGCTGGGACATCCTGGGACTTGGGCTCCAGC
 ATCTGTCTCAGGCCAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

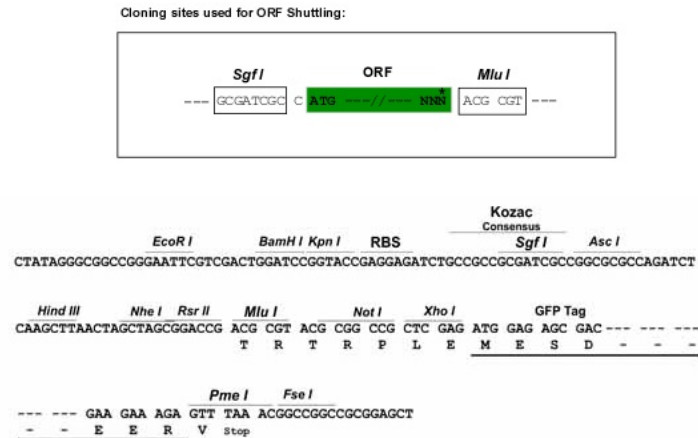
Protein Sequence: >RG205980 representing NM_022492
 Red=Cloning site Green=Tags(s)

MAPIPKTVGRIKLDCLRPSCPLEVAAAPKLCKEFGPEDYGEEDIVDFLRRLVESDPQGLHRIHVDGSSG
 RLQLWHHDYLLGHLDDDEKSTGQSDRGKGAEGLTGYCGLRKSFYPPQESEPQSPSASATFPSVSDSL
 LQVAMPQKLLVTEEEANRLAEELVAEEERMKQKAEEKRLKKRQKERKQERLEQYCGEPKASTTSDGDE
 SPPSSTGNPVQGCGEEDSLDLSTTFVSLALRKVGDWPLSARREKGLNQEPQGRGLALQKMGQEEESPP
 REERPQQSPKVQASPLLAALQSSQELAKLGTSAQNGFYHEAVLFTQALKLNPDHRLFGNRSFCHE
 RLGPQAWALADAQVALTLRPGWPRGLFRLGKALMGLQRFREAAAVFQETLRGGSQPDAAARELHSCLLHLT
 LQGQRGGICAPPLSPGALQPLPHAELAPSLPSLRCPRESTALRSPGLSPLLHYPSCHRSHPNQPLSQTQS
 RRPPLKPKQDPSKWDILGLGLQHLQAR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022492

ORF Size: 1557 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_022492.3](#), [NP_071937.3](#)

RefSeq Size: 2921 bp

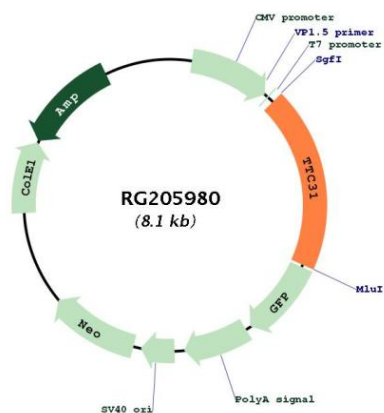
RefSeq ORF: 1560 bp

Locus ID: 64427

UniProt ID: [Q49AM3](#)

Cytogenetics: 2p13.1

Product images:



Circular map for RG205980