

Product datasheet for **RG220249**

TTC9 (NM_015351) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC9 (NM_015351) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTC9
Synonyms:	TTC9A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220249 representing NM_015351 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGAAAGGGCTCGGCGGCCGGGGCCAAGGGGAACCCGAGCCCGCCGCGGCCGGAGAGGGGCAGC
GGCCACC GCCCGCTGTGCGTCCCGGGCGGCGGAGGAGCCCGAGGGGCCAGGTCGGGGCGGC
GGCCGAGCCGGCCGAGCTCATCCGACGAGCGCACGAGTTCAAAGCCAAGGGCGCAGTGTACAAGGAC
AAGAAATTCGTAAGCCATAGGCAAATACCACGGGCGTTGCTGGAGCTGAAGGGGCTGCTGCCCCCC
CCGGGAACGGGAGCGGACTCGCGCCCGCCTCCCGGCTGGGGCCCTGAAGCCCGCCGCTCTCGGA
GGAGCAGAGCAAGACGGTGAAGCCATCGAGATCGACTGTTACAACAGCCTGGCAGCCTGCCTGCTCCAG
GCTGAGCTGGTAAACTATGAACGAGTCAAGGAATATTGCCTCAAAGTCTTGAAGAAGGAAGGGGAGAACT
TCAAGGCCCTTACCAGTCTGGTGTGGCCTTCTACCACCTTGGGGACTATGACAAAGCACTCTACTACCT
GAAAGAAGCAAGGACCAACAACCAACAGACACCAACGTGATTCCGGTATATCCAGCTGACGGAGATGAAA
CTCAGCCGATGCTCCAGAGAGAAAAAGAAGCCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220249 representing NM_015351
 Red=Cloning site Green=Tags(s)

MERKGSAAAGAKGNPSPPAAGEGQRPPPLCVPGGGGGAPARGQVGAAPAEAIRRAHEFKSQGAQCYKD
 KKFREAIGKYHRALLELKGLLPPPGERERDSRPASPAGALKPGRLLSEEQSKTVEAIEIDCYNLAACLLQ
 AELVNYERVKEYCLKVLKKEGENFKALYRSGVAFYHLGDYDKALYYLKEARTQQPTDNTVIRYIQLTEMK
 LSRCSSQREKEAM

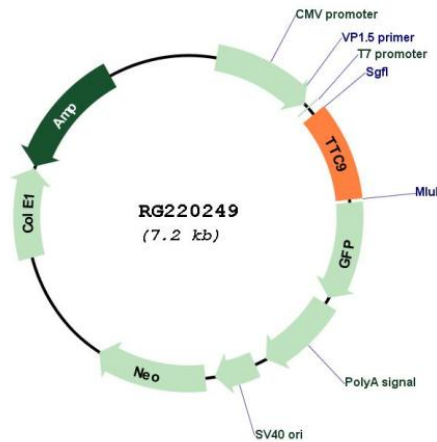
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_015351

ORF Size: 666 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: [NM_015351.2](#)

RefSeq Size: 5217 bp

RefSeq ORF: 669 bp

Locus ID: 23508

UniProt ID: [Q92623](#)

Cytogenetics: 14q24.2

Gene Summary: This gene encodes a protein that contains three tetratricopeptide repeats. The gene has been shown to be hormonally regulated in breast cancer cells and may play a role in cancer cell invasion and metastasis. [provided by RefSeq, Mar 2009]