

Product datasheet for **RG204065**

TTC17 (NM_018259) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC17 (NM_018259) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTC17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204065 representing NM_018259 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGCAGTAGGGGTTCTGGCCGGTACGAGCTGCCGCCTTGCTCCGGCCAGGCTGGCTCCTCA
GCCTTTCCGCCTTGCTGAGTGTGGCGGCACGAGGGGCCTTCGCCACCACGCACTGGGTCGTCACGGAGGA
CGGGAAAATCCAGCAGCAGGTGGATTACCAATGAACTGAAGCATCCTCATGACCTAGTCATATTAATG
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AAGAGAATGAGGACAGAGACACAGGACTGGAACAGAGACATAATAAAGAAGACCCAGACTGCATCAAAGC
CAAGGTGCCCTTAGGGGACCTGGATCTATATGATGGCACATACATAACTTTGGAGAGCAAAGACATCAGT
CCTGAAGATTATATAGACACAGAATCTCCTGTCCCTCCAGACCCAGAGCAACCTGATTGTAATAAAATTC
TAGAACTCCATATAGTATACATGCTTTTCAGCACTTGAGAGGTGTACAGGAGAGAGTTAATCTTTCTGC
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ATAGGTCACCTCATTGATGAAGGCTACAGAAGAACAATCTCCTCGTGGTACTGTATAACATGGCTTCAT
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CAGTGATGATTATTCTACAGAAGAAGAGGCCCAAACCCCTGACTGTTCCATAACTGACTTCAGAAAAAGC
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 AATGGAAGAATTTGAAAAGCACTGGTGTGGTATGAATCCACATTGAAGCTTACGCCGAGTTTGTCCCA
 GCCAAGAACCGAATCCAGACCATCCAGTGTCACTTAATGCTGAAGAAGGGACGGCGCTCTCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG204065 representing NM_018259

Red=Cloning site Green=Tags(s)

MAAVGVGRGRYELPPCSGPGWLLSLSALLSVAARGAFATTHWVVTEDGKIQQQVDSMNLKHPHDLVILM
 RQEATVNYLKELEKQLVAQKIHIEENEDRDTGLEQRHNKEDPDCIKAKVPLGDLDLVDGTYITLESKDIS
 PEDYIDTESPVPDPEQPDCTKILELPYSIHAFQHLRGVQERVNLAPLLPKEDPIFTYL SKRLGRSIDD
 IGHLIHEGLQKNTSSWVLYNMAFVYWRKNEPYQVVECAMRALHFSRHNKDIALVNLANVLHRAHFSAD
 AAVVVHAALDDSDFFTSYYTLGNIYAMLGEYNHSLVLCYDHALQARPGFEQAIKRKHAVLCQQKLEQKLEA
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 LHCQWDQPVRYHRGDI FENVVYVQFGEDSSTSSMMSVNFVQSNQSDINDSVKSSPVAHSILWIWGRSD
 AYRDKQHILWPKRADCTESYPRVPVGGELPTYFLPPENKGLRIHELSSDDYSTEEEAQTPDCSITDFRKS
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TRTRPLE – GFP Tag – V

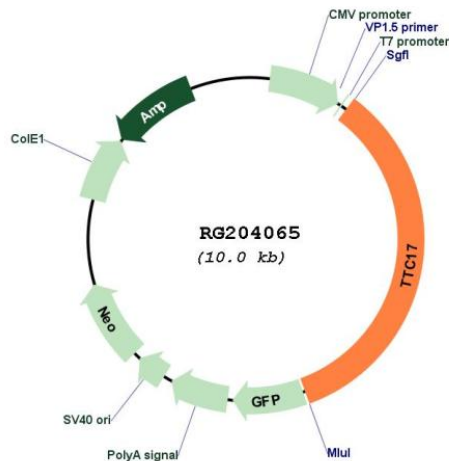
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_018259

ORF Size: 3423 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: [NM_018259.6](#)

RefSeq Size: 3524 bp

RefSeq ORF: 3426 bp

Locus ID: 55761

UniProt ID: [Q96AE7](#)

Cytogenetics: 11p12-p11.2

Domains: TPR

Protein Families: Protease

Gene Summary: Plays a role in primary ciliogenesis by modulating actin polymerization.[UniProtKB/Swiss-Prot Function]