

Product datasheet for **RN214366**

Ttc17 (NM_001107752) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ttc17 (NM_001107752) Rat Untagged Clone
Tag: Tag Free
Symbol: Ttc17
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214366 representing NM_001107752
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGCGCAATAGGGGTCCGCGGCCGGTTCGAGCTGCTATCTTGCTCCGGCCAGTTGGCTTATCA
GCCTTTCCGCTTTGCTGAGCGTGGTGGCTCGAGGGCCCTTGCCACTACGCACTGGTTCGACGGAGGA
CGGGAAGATCCAACAGCAGGTGGACTCACAATGAACCTGAAGCATCCCCATGACTTAGTCATCTTAATG
AGACAAGAAACAACCGTTAACTACCTCAAAGAACTAGAGAAACAATTAGTTGCTCAAAAAATTCACATAG
AGGAGAATGAGGACAGAGACACAGGACTGGAACAGAGGCACAATAAAGAAGACCCCGACTGCATCAAGGC
CAAAGTGCCCTTTGGGAGACCTGGACCTTTATGACGGCACAATATAACTCTAGAGAGCAAGGATGTCAGG
CCTGAGGATTTTCATAGACACAGAATCTCCTGTCCCTCCAGACCCAGAGCAACCTGATTGTACTAAAAATCC
TAGAGCTTCCATATAGTATACATGCTTTTCAGCATTTACGGGGTGTACAAGAGAGAGTTAATCTCTCTGC
CCCTCTTACCTAAAGAAGATCCAATCTTCACATATTTGTCGAAACGCTTAGGAAGGAGTATCGACGC
ATAGGTCACCTCATTACGAAGGCCTACAGAAGAACTCTCCTCCTGGTACTGTATAACCTAGCTTCAT
TTTACTGGAGAATAAAGAATGAGCCATATCAGGTAGTGGAGTGCACCATGCGAGCTTTCACCTTCTCTTC
CAGGCACAATAAAGACATTGCCCTGGTCAATTTGGCCAATGTTCTACACAGAGCGCATTTCTCCGCGGAT
GCTGCTGTCGTGGTCCATGCAGCTCTGGATGACAGTGCCTTCTCACCAGCTATTACACACTGGGGAATA
TATATGCAATGCTCGGGGAGTATAACCATTGCGTCTGTTACGACCATGCTTTGCAAGCCAAACCTGG
GTTTGAGCAAGCTATAAAGAGGAAGCATGCTGTCTGTCAACAAAACTGGAGCAGAAGCTAGAGGCT
CAGCATAGGTCCCTTCAGAGAACACTGAATGAGTTGAAGGAGTACCAGAAGCAGCATGACCACTACCTGC
GGCAGCAGGAGATCCTAGAGAAGCACAACCTGATTCAGGAGGAGCAGATCTTGCCAACATCATCCACGA
GACACAGATGGCCAAAGAGGCACAACCTGGGAAATCATCAGATATGACAGGCTGGTCAACCAGCAGCATAGT
TTGCACTGCCAGTGGGACCAACCTGTACGCTACCATCGAGGAGACATCTTTGAAAATGTGGACTATGTTT
AGTTTGGTGATGATTCATCGACCTCCAGTATGATGTCGGTGAACCTTCGATGTCCCTACAAATCAGAGTGA
CGTCAGCGAATCTGTGAGTCTTCTCCTGTAGCGCATTCTGTTCTCTGGGTCTGGGGCCGTGACTCTGAT
GCATATAGGGACAAACAATATTTCTTTGGCCTAAAAGAGCAGATTGTACAGACAGCTATCCCAGAGTTC
CCCTCGGTGGAGAAGTCCAACATACTTCTGCTCCGGAGAACAAGGACTCAGGATCCACGAAGTGC
CAGTGATGATTATTTTCAGAAGAGGAGGCCCAAAACCCCTGACTGTTCCATAACTGACTTCAGAAAAAGC



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CACACTCTGTCCTACTTAGTCAAAGAATTAGAGGTCCGCATGGATCTGAAAGCCAAAATCCCCGATGACC
 ATGCACGCAAAATTTTACTTTCCCGTATTA AAAACTATACTATCCCAGAAGAAGAAATGGGTCTTTCTT
 GTTTATGCTATTAACAAGCCAAATGCTCCTGTCTGGCTCATTCTGAATGAGGCGGGCCTGTACTGGAGA
 GCAGTAGGAAACAGCACTTTTGTATCGCTGCCTTCAGAGGGCTTTGAATTTAGCTCCAGTTCAATACC
 AAGACATTCCTCTGTCAACCTGGCCAACCTTTTGATTCAATATGGCCTTCATCTCGATGCTACAAAATT
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 GCTGTGAAGAATGTCAGCGGGGCACTTGAAGCCTTCAGACAGGCCTTGAAGTTAACCACCAGATGCCAG
 AGTGTGAGAGCAGCCTGAAGCTGATCCGCTGCATGCAGTTTTACCTTTTCTGTACAACATCACCTTTC
 TGTTTGTAGTGGTCATTGTCATGAGAAAACCCTGGACAACAGCCATGACAAAACAGAAATACTTTGCCAAG
 CCACAGTCATTGGATGCTGCTGAAGAAGAGCCCTTAGGCACGGAGCAGACGAGGACCCTGTGCTGTCTG
 TTGAGAACGCAGGGAGGGACTCAGATGCCCTTAGACTTGAAAGCACAGTGGTTGAAGAGACCAACGGTTC
 TGACGAGGTGGAGAAGTCAGAGGAAACAAAGATGTCAGAAGAGATACTGGCCTTGGTGGATGAGTTTCAG
 CAGGCCTGGCCTCTGGAAGGTTTGGGGGAACATTAGAAATGAAGGGCGCGCTGAGCCTGCAGGGAA
 TACGGGTCTGAAGAAAGGGCCCCAGGATGGAGTAGCCAAGAGCTTTGCTATGGAGACTGCAGAAGTGA
 AGATGATGAAGCAACAGAATGGATCACATTCCAGGTCAAGCGTGTAAAGAAACCCAAAGGGGATCATAAA
 AAACCTCCTGGGAAAAAGTAGAGGCAAGTCAAGCAGAAAATGGACAGCGTTACCAAGCAAACCTAGAGA
 TCACAGGCCCAAAGGTGGCATCTCCTGGGCCCCAGGAAAAAAGCGTGACTACCAGAGTATGGGGTGGCC
 CAGTCCAGATGAGTGCCTCAAGCTCCGCTGGGTAGAGCTAACTGCCATTGTGAGCACCTGGCTAGCAGTG
 TCTTCAAAAAACATTGACATCACAGAACACATAGACTTTGCCACACCCATACAACAGCCAGCAATGGAAC
 CTCTGTGCAATGGCAATCTCCCAACAAGCATGCATACCCTGGACCACTTACATGGAGTGTCCAACAGAGC
 CAGCCTGCACTACACCGGTGAGAGCCAGCTAACAGAGTACTGCAGAATCTTGGCAAGGACCAGTACCCT
 CAGCAGTCGCTTGAACAAATCGGCACCCGAATTGCCAAGTTTTGGAAAAAATCAGACATCATGGGTCC
 TTTCCAGCATGGCAGCCCTCTACTGGAGAGTAAAGGTCAAGGGAAAAAGCCATCGACTGCCTGGCCCA
 GGCCTCCACTATGCTCCCAACAGATGAAGGATGTGCCCTCATCAGCCTGGCCAACATCCTACACAAT
 GCCAAGCTCTGGAATGATGCTGTGCTGTCGTCGGCCACCATGGCCGTGGAGATCGCGCCACACTTCGCTGTGA
 ACCACTTCACTCTGGCAATGTCTATGTGGCAATGGAAGAATTTGAGAAGGCCCTGGTGTGGTACGAGTC
 AACGCTGAAGCTGCAACCAGAGTTTGTACCTGCCAAGAATCGAATCCAGACAATCCAGTCCACCTCATG
 CTGAAGAAGGGCCGGCTCTCCCTAG

ACGGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001107752
- Insert Size:** 3597 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001107752.2](#), [NP_001101222.2](#)

RefSeq Size: 4540 bp

RefSeq ORF: 3597 bp

Locus ID: 311224

UniProt ID: [B5DEL3](#)

Cytogenetics: 3q31

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