

## Product datasheet for **MC223920**

### Ttc17 (NM\_183106) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc17 (NM_183106) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ttc17
Synonyms:	9130020K17Rik; D2Bwg1005e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223920 representing NM_183106 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCGGCAATAGGGGTCGCGGCCGGTTCGAGCTGCTACCTCGCTCCGGCCGGGTTGGCTTCTCA  
GCCTTTCCGCTTTGCTGAGCGTGGTGGCTCGAGGGGCCTTGCCACTACGCACTGGGTCGCACGGAGGA  
CGGAAGATCCAACAGCAGGTGGACTCACCAATGAACTGAAGCATCCCCATGACCTAGTCATATTAATG  
AGACAAGAAACAACAGTTAACTACCTCAAAGAACTGGAGAAACAGCTAGTTGCTCAGAAAATTCACATAG  
AGGAGAATGAGGACAGAGACACGGGCCTGGAACAGAGACACAATAAAGAAGACCCCGACTGTATCAAGGC  
CAAAGTGCCTTTGGGAGACCTGGACCTTATGATGGCACATATAACTCTGGAGAGCAAGGACATCAGG  
CCTGAGGATTTATAGACACAGAATCTCCTGTCCCTCCAGACCCAGAGCAACCTGACTGTAATAAATCC  
TAGAGCTTCCATATAGTATACATGCTTTTCAGCACTTGGCAGGTGTACAAGAGAGAGTTAATCTCTCTGC  
CCCTCTCTTACCTAAAGAAGATCCAATCTTACATATTTGTCTAAACGCTTAGGAAGGAGTATCGACGAC  
ATAGGTCACTCATTACGAAGGCTACAGAAGAATGCTTCTCCTGGTACTGTATAACCTGGCTTCAT  
TTTACTGGAGAATAAAAAATGAGCCATATCAGGTAGTGGAGTGTGCCATGCGAGCGCTTCACTTCTCTTC  
CAGGCACAATAAAGACATTGCTCTGGTCAATTTGGCCAATGTTCTACACAGAGCGCATTTCTCTGCGGAT  
GCTGCCGTCGTGGTCCATGCAGCTCTGGATGACAGTGACTTCTTACCAGCTATTACACACTGGGGAATA  
TATATGCAATGCTCGGGGAGTACAACCATTCGGTGTCTGTACGACCATGCTTTGCAAGCCAAACCTGG  
GTTTGAGCAAGCTATAAAGAGGAAGCATGCTGTCTGTGTGAGCAAAAACTGGAGCAGAAGCTAGAGGCT  
CAGCATAGGTCCCTTCAGAGAACGCTGAACGAGTTGAAGGAGTACCAGAAAACAGCATGACCACTACCTCC  
GGCAGCAGGAGATCCTGGAGAAGCACAAGCTGATTGAGGAGGAGCAGATCCTGCGCAACATCATCCACGA  
GACGCAGATGGCAAAAGAGGCGCAGCTGGGAAATCATCAGATATGCCGGTGGTCAACCAGCAGCATAGC  
TTGCACTGCCAATGGGACCAACCTGTGCGCTACCATCGAGGAGATATCTTTGAAAATGTGGACTATGTT  
AGTTTGGTGATGATTCGTC AACCTCCAGTATGATGTCGGTGAACCTCGATGTTCTCAAAATCAGAGTGA  
TGTCAGCGAGTCTGTCAGGTCTTCTCCTGTAGCCATTCTGTTCTCTGGGCTGGGGCCGTGACTCTGAT



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GCGTATAGGGACAACAACATATTCTTTGGCCTAAAAGAGCAGATTGTACAGACAGCTATCCCAGAGTTC  
 CCCTTGGTGGAGAATTGCCAACATACTTTCTGCCTCCGGAGAACAAGGACTCAGGATCCACGAAGTGC  
 CAGTGTGATTATTCTTCAGAAGAGGAGGCCAACCCCTGACTGTTCCATAACTGACTACAGAAAAAGC  
 CAACTCTGTCTACTTACTGCAAGAATTAGAGGTCCGCATGGATCTGAAAGCCAAAATACCCGATGACC  
 ATGCACGCAAAATTTACTTTCCCGTATTAATACTATACTGTCCAGAAGAAGAAATGGGTCTTTCTT  
 GTTTCATGCTATTAACAAGCCAAATGCTCCTGTCTGGCTCATTCTGAATGAAGCAGGCCTGACTGGAGA  
 GCAGTAGGAAACAGCACCTTTGCTATCGCCTGCCTCCAGAGGGCTTTGAATTTAGCTCCAGTTCAATACC  
 AGGACATTCTTGTCAACCTGGCCAACCTTTTGATTACATTACGGCCTTCATCTTGATGCTACAAAGTT  
 GCTGCTGCAAGCCGTGGCTGTCAACAGCTCTGAGCCCCTGACCTTTTTGAGCCTGGGAAATGCTTACCTT  
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 AGTGTGAGAGCAGCCTGAAGCTGATCCGCTGCATGCAGTTCTACCCGTTCTGTACAACGCCACCTCTTC  
 TGTCTGTGGCGGTATTGTCATGAGAAACCCCTGGACAACAGCCATGACAACAGAAATACTTTGCCAAG  
 CCACAGTCATTGGATGCTGCTGCAGAAGAGCCCTCTGGGCACGGAGCAGACGAGGACCCTGTGCTGTCTG  
 TTGAGAACGCAGGAGGGACTCAGATGCCCTTAGACTTGAAGCACAGTGGTTGAAGAGAGCAATGGTTC  
 TGACGAGGTGGAGAAGTCAGATGAAACAAGATGTCCGAAGAGATACTGGCTTTGGTGGATGAGTTTCAG  
 CAGGCCTGGCCTCTGGAAGGCTTTGGGGGAACATTAGAAATGAAGGGGCGACGTCTGGACCTACAGGGAA  
 TACGTGTACTGAAGAAAGGACCCAGGATGGAGTAGCCAAGAGCTCTTGCTATGGAGACTGCAGAAGTGA  
 AGATGATGAAGCAACAGAGTGGATCACATTCCAGGTCAAACGTGTAAAGAAACCCAAAGGGGATCATAAA  
 AAACCTCTGGGAAAAAAGTAGAGGCAAGTCAGGCAGAGAATGGACAACGTTACCAAGCAACCTGGAGA  
 TCACTGGCCCAAAGGTGGCATCCCTGGGCCCAAGAAAAAAGAAACGTGACTACCAGAGTCTGGGGTGGCC  
 CAGTCTGATGAGTGCCTCAAACCTCCGCTGGGTAGAGCTAACTGCCATTGTGAGCACCTGGCTAGCAGTT  
 TCTTCAAAAAACATCGACATCACAGAACACATAGACTTTGCCACCCCATACAGCAGCCAGCCATGGAAC  
 CGCTGTGCAATGGCAATCTCCCAAGAGCATGCATACCTGGACCATTACATGGAGTGTCCAACAGAGC  
 CAGCCTACACTACACGGGTGAGAGCCAGCTAACAGAGGTACTGCAGAATCTTGGCAAGGACCAATATCCG  
 CAACAGTCACTTGAACAATCGGCACCCGAATTGCCAAGTTTTGGAAAAAATCAGACATCCTGGGTCC  
 TCTCCAGCATGGCAGCCCTCTACTGGAGAGTGAAGGTGAGGGAAAAAAGCCATTGACTGCCTGCGCCA  
 GGCCCTCCACTACGCTCCCCACCAGATGAAGGATGTGCCCTCATCAGCCTGGCCAACATCCTGCACAA  
 TGGCAAGCTCTGGAACGATGCTGTCTGTGATCGTGCCACCATGGCCGTGGAGATCGGCCACACTTTGCTGTGA  
 ACCACTTACCCTGGGCAATGTCTACGTGGCAATGGAAGAATTTGAGAAGGCCCTGGTGTGGTACGAGTC  
 AACGCTGAAGCTACAGCCAGAGTTGTGCCCGCAAGAACCAGGATCCAGACAATTCAGTCCACCTCATG  
 CTGAAGAAGGGCCGTCGCTCTCCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_183106
- 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\\_183106.2](#), [NP\\_898929.2](#)

**RefSeq Size:** 4607 bp

**RefSeq ORF:** 3597 bp

**Locus ID:** 74569

**UniProt ID:** [E9PVB5](#)

**Cytogenetics:** 2 51.69 cM

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

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).