

## Product datasheet for MR212433

### Ttc17 (NM\_183106) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc17 (NM_183106) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc17
Synonyms:	9130020K17Rik; D2Bwg1005e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212433 representing NM_183106 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCGGCAATAGGGGTCCGCGGCCGGTTCGAGCTGCTACCTCGCTCCGGCCGGGTTGGCTTCTCA  
GCCTTTCCGCTTTGCTGAGCGTGGTGGCTCGAGGGGCCTTGCCACTACGCACTGGTCTCACGGAGGA  
CGGAAGATCCAACAGCAGGTGGACTCACCAATGAACTGAAGCATCCCCATGACCTAGTCATATTAATG  
AGACAAGAAACAACAGTTAACTACCTCAAAGAACTGGAGAAACAGCTAGTTGCTCAGAAAATTCACATAG  
AGGAGAATGAGGACAGAGACACGGCCCTGGAACAGAGACACAATAAAGAAGACCCCGACTGTATCAAGGC  
CAAAGTGCTTTGGGAGACCTGGACCTTATGATGGCACATATAAATCTGGAGAGCAAGGACATCAGG  
CCTGAGGATTTATAGACACAGAATCTCCTGTCCCTCCAGACCCAGAGCAACCTGACTGTACTAAAATCC  
TAGAGCTTCCATATAGTATACATGCTTTTCAGCACTTGCGAGGTGTACAAGAGAGAGTTAATCTCTCTGC  
CCCTCTCTTACCTAAAGAAGATCCAATCTTACATATTTGTCTAAACGCTTAGGAAGGAGTATCGACGAC  
ATAGGTCACTCATTACGAAGGCCTACAGAAGAATGCTTCTCCTGGTACTGTATAACCTGGCTTCAT  
TTTACTGGAGAATAAAAAATGAGCCATATCAGGTAGTGGAGTGTGCCATGCGAGCGCTTCACTTCTCTTC  
CAGGCACAATAAAGACATTGCTCTGGTCAATTTGGCCAATGTTCTACACAGAGCGCATTTCTCTGCGGAT  
GCTGCCGTGCTGGTCCATGCAGCTCGGATGACAGTGACTTCTTACCAGCTATTACACACTGGGGAATA  
TATATGCAATGCTCGGGGAGTACAACCATTCGGTGTCTGTTACGACCATGCTTTGCAAGCCAAACCTGG  
GTTTGAGCAAGCTATAAAGAGGAAGCATGCTGTCTGTGTCAGCAAAAATGGAGCAGAAGCTAGAGGCT  
CAGCATAGGTCCCTTCAGAGAACGCTGAACGAGTTGAAGGAGTACCAGAAAACAGCATGACCACTACCTCC  
GGCAGCAGGAGATCCTGGAGAAGCACAAGCTGATTGAGGAGGAGCAGATCCTGCGCAACATCATCCACGA  
GACGCAGATGGCAAAAGAGGCGCAGCTGGGAAATCATCAGATATGCCGGTGGTCAACCAGCAGCATAGC  
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AGTTTGGTGATGATTCGTC AACCTCCAGTATGATGTCGGTGAACCTCGATGTTCTCAAAATCAGAGTGA  
TGTCAGCGAGTCTGTCAGGTCTTCTCCTGTAGCCATTCTGTTCTCTGGGTCTGGGGCCGTGACTCTGAT



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GCGTATAGGGACAAACAACATATTCTTTGGCCTAAAAGAGCAGATTGTACAGACAGCTATCCCAGAGTTC  
CCCTTGGTGGAGAATTGCCAACATACTTTCTGCCTCCGGAGAACAAGGACTCAGGATCCACGAAGTGC  
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CAGCCTACACTACACGGGTGAGAGCCAGCTAACAGAGGTAAGTGCAGAATCTTGCAAGGACCAATATCCG  
CAACAGTCACTTGAACAATCGGCACCCGAATTGCCAAGTTTTGGAAAAAATCAGACATCCTGGGTCC  
TCTCCAGCATGGCAGCCCTCTACTGGAGAGTGAAGGTGAGGGAAAAAAGCCATTGACTGCCTGCGCCA  
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GCCAAGCTCTGGAACGATGCTGTATCGTGCCACCATGGCCGTGGAGATCGCGCCACACTTTGCTGTGA  
ACCACTTACCCTGGGCAATGTCTACGTGGCAATGGAAGAATTTGAGAAGGCCCTGGTGTGGTACGAGTC  
AACGCTGAAGCTACAGCCAGAGTTGTGCCCGCAAGAACCGGATCCAGACAATTCAGTCCACCTCATG  
CTGAAGAAGGGCCGTGCTCTCCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212433 representing NM\_183106  
 Red=Cloning site Green=Tags(s)

MAAAIGVRGRFELLPRSGPGWLLSLSALLSVVARGALATTHWVVTEDGKIQQQVDSMMLKHPHDLVILM  
 RQETTNYLKELEKQLVAQKIHIENEDRDTGLEQRHNKEDPDCIKAKVPLGDLIDYDGTITLESKDIR  
 PEDFIDTESPVPPDPEQPDCTKILELPSYIHAFOHLRQVQERVNLSAPLLPKEDPIFTYLSKRLGRSIDD  
 IGHLIHEGLQKNASSWVLYNLASFYWRKNEPYQVVECAMRALHFSSRHNKDIALVNLANVLRHAFHAFSAD  
 AAVVVAALDDSDFFTSYYTLGNIYAMLGEYNHSLCYDHALQAKPGFEQAIKRKHAVLCCQKLEQKLEA  
 QHRSLQRTLNELKEYQKQHDHYLRQQEILEKHKLIQEEQILRNIHETQMAKEAQLGNHQICRLVNOQHS  
 LHCQWDQPVRYHRGDI FENVYVQFGDDSSSTSSMMSVNFVPTNQSDVSESVRSSPVAHSVWVWGRDSD  
 AYRDKQHILWPKRADCTDSYPRVPLGGELPTYFLPPENKGLRIHELTSDDYSSEEEAQPDCSITDYRKS  
 HTLSYL VKELEVRMDL KAKIPDDHARKILL SRIKNYTPVEEIGSFLFHAINKPNAPVWVILNEAGLYWR  
 AVGNSTFAIACLQRALN LAPVQYQDIPLVNLANLLIHYGLHLDATKLLQAVAVNSSEPLTFLSLGNAYL  
 ALKNVSGALEAFRQALKLSTKCPECESSLKLIRCMQFYFPLYNATSSVCGGHCKEPLDNSHDKQKYFAK  
 PQSLDAAAEPSGHGADEPVL SVENAGRSDALRLESTVVEESNGSDEVEKSDETKMSEEILALVDEFQ  
 QAWPLEFGGTLEMKGRRLLDQGI RVLKKGPDQGVAKSSCYGDCRSEDDEATEWITFQVKRVKPKGDKHK  
 KPPGKKVEASQAENGQRYQANLEITGPKVASPGPQEKRDYQSLGWSPDECKLRWVELTAIVSTWLAV  
 SSKNIDITEHIDFATPIQQPAMEPLCNGNLPTSMHTLDHLHGVSNRASLHYTGESQLTEVLQNLGKDQYP  
 QQSLEIQIGTRIAKVLKNTQSWVLSMAALYWRVKGQGGKKAIDCLRQALHYAPHQMKDVPLISLANILHN  
 AKLWDAVIVATMAVEIAPHFAVNHFTLGNVYVAMEEFEKALVWYESTLKLQPEFVPAKNRIQTIQCHLM  
 LKKGRRSP

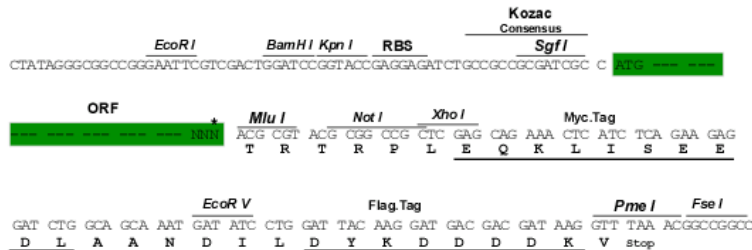
TRTRPLEQKLISEEDLAANDILDYKDDDDK

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



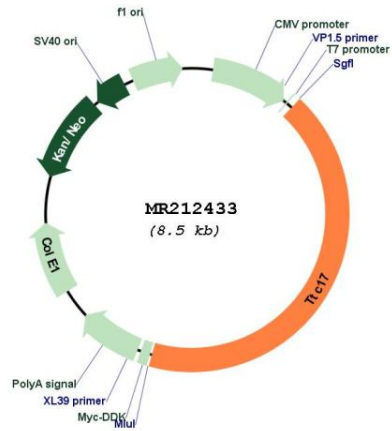
\* The last codon before the Stop codon of the ORF

ACCN: NM\_183106

ORF Size: 3594 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_183106.2</a> , <a href="#">NP_898929.2</a>
<b>RefSeq Size:</b>	4607 bp
<b>RefSeq ORF:</b>	3597 bp
<b>Locus ID:</b>	74569
<b>UniProt ID:</b>	<a href="#">E9PVB5</a>
<b>Cytogenetics:</b>	2 51.69 cM
<b>MW:</b>	135.5 kDa
<b>Gene Summary:</b>	Plays a role in primary ciliogenesis by modulating actin polymerization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212433