

## Product datasheet for **MC222016**

### **Ttc7b (NM\_001033213) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ttc7b (NM_001033213) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ttc7b
Synonyms:	AA408451; Ttc711
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222016 representing NM\_001033213  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGACCAGGAAGCGGGCTCGCGGCTGGAGACGGAGATCGAGCGCTGCCGCTCCGAGTGCCAATGGG  
 AGCGGATCCCGAGCTCGTCAAGCAGCTGTCGGCCAAGCTCATCGCCAACGATGATATGGCTGAACCTCT  
 CCTTGGGGAGTCGAAACTGGAACAGCACTTGAAGGAGAAGCCCTCGCGCAGGGAGCCAGTCCCGGGG  
 CCCAGACCCAGCTGACTGAAGTGCGAAGCATCTGACCCTGCCCTGGACCGAGGGAACCTCAAGTCAG  
 AATTCTACAAGAATCCAATCTGGTTCATGGCCAACTGACTTACGTGGAAGGAGATTATAAGGAAGCCCT  
 GAACATCTACGCCGGGTGGGCTCGATGACTTGGCGCTGACAGCCGTGCCTCCCTACAGTTGCGAATG  
 ATTGCTGAAGCCTATGCAACCAAGGACTTTGTTAGAGAACTGCCTGTTTCGCTCTACCAGTAATC  
 TCCATGTGGACCGGGAGCAGGACGTATCACCTGCTATGAGAAAGCTGGGGACATTGCACCTTTGTACCT  
 CCAGGAGATAGAAAGGTAAATGCTAACTAATATTCAGAACAGAAGCCCTAAGCCTGGCCCTGCTCCCCAC  
 GATCAAGAAGTAGTTTTTCTAGAAACAGGACTTCAGAGAGCCCATGTCTCTATTTCAAAAAATGGGA  
 ACTTGACGAGAGGAGTCGGGAGATTTAGGGAGCTTCTCAGAGCCGTGGAGACAAGAAACAACAACAAACCT  
 ACGCATGACGATAGCCAGGCAGTTGGCAGAAATCTTGTTACGGGGCATGTGTGAGCAGAGCTACTGGAGC  
 CCTCTGGAGGAGCCTCCCTACCAGTCACCTCTGGATGACCCTCTCCGAAAGGAGCAAACACGAAGGCCCT  
 ACACACTCCCTCGCAGAGCCCGTGTCTACTCAGGAGAGAACATTTTTTGTCTCAAGAAAATACTGAAGA  
 GGCGTTGCTGTTACTGCTCATTAGTGAATCTATGGCCAACAGAGATGCTGTGCTGAGCAGAATCCGGAA  
 CACAAGAGTGACCGCCTCATCAGTCTGCAAAGCGCGTCTGTGGTCTATGATCTACTGACCATGCCCTTG  
 GAAGACGAGGCCAGTATGAGATGCTGTGAGAGTCTTAGAAAGAGCCATGAAGTTGCCTCGAAGAGT  
 CCACCTCTGGTACCAGTTTGTCTGTGCTGATGGCTGCTGGGAAGTCCGCCCGTCTGTGAAGGTGCTG  
 AAGGAATGCATCCGGCTAAAGCCGGACGACGCCACCATCCCGCTCTTGGCAGCCAAGCTCTGTGTGGTT  
 CCCTCCACTGGTTGGAAGAGGCTGAGAAGTTTGCCAAAATGTTGTTGATGTGGGAGAGAAAACATCAGA  
 ATTCAGGCCAAAGGCTACCTAGCTCTGGGGCTCACGTATAGTCTGCAAGCCACTGATGCTTCTCTGCGA  
 GGGATGCAGGAGGGCCTGCAGAGGAAGGCATTTGCGTTTCAGAGGGCCCATAGCCTGTCACCTACAG  
 ATCACCAAGCAGCTTTCTACCTGGCTCTGCAGCTCGCCATCTCCAGACAGATACCAGAAGCTCTAGGATA  
 TGTTCCGCAAGCTCTCCAAGTGAAGTTGGAGTCACTCTGCCGGGGCCGGATGAGGCCGCTGCTCACCTGTA  
 TACTACTGTTTTCCAAAGTGAAGTTGGAGTCACTCTGCCGGGGCCGGATGAGGCCGCTGCTCACCTGTA  
 GCATGCTACAGATATGGAAATCCTGCTACAACCTTACCAATCCCAGTACTCTGGACGTGGGAGCAGC  
 CTCTTAGACAGAACCATCGCTGACAGACGACAGCTTAATACAATCACTTTGCCAGACTTCAGCGATCCTG  
 AGACAGGCTCCGTCCATGCCACATCAGTAGCAGCCTCAAGAGTGGAGCAAGCACTGTGAGAAGTGGCCTC  
 ATCTCTGCAAAGCAGTGTCCCAAGCAGGGTCCACTGCATCCCTGGATGACGCTGGCACAGATCTGGCTC  
 CATGCAGCTGAGGTCTACATTGGCATTGGAAAGCCTGCGGAAGCTACAGCCTGTACCCAAGAAGCTGCCA  
 ACCTCTTCCCAATGTCCATAATGTCTCTACATGCGGGGCCAGGTTGCTGAGCTTCGAGGACACTTCGA  
 TGAGGCCCGGGTGGTACGAAGAAGCCTTATCCATCAGCCCTACTCATGTGAAGAGCATGCAGCGACTG  
 GCTCTGGTCTTACCAGCTGGGCGCTACAGTCTAGCTGAGAAGATTCTCCGGGATGCAGTGCAGGTGA  
 ATTCGACAGCCCACGAGGTCTGGAACGGGCTGGGCGAGGTCTCCAAGCTCAGGGTAACGACGCAGCAGC  
 CACCGAGTGCTTCTGACAGCCTTGAAGTGGAGGCCAGCAGCCCTGCTGTACCTTCACTGTCATCCCC  
 CGTGTGCT**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001033213  
**Insert Size:** 2532 bp

<b>OTI Disclaimer:</b>	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).
<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_001033213.1</a> , <a href="#">NP_001028385.1</a>
<b>RefSeq Size:</b>	3458 bp
<b>RefSeq ORF:</b>	2532 bp
<b>Locus ID:</b>	104718
<b>UniProt ID:</b>	<a href="#">E9Q6P5</a>
<b>Cytogenetics:</b>	12 E
<b>Gene Summary:</b>	Component of a complex required to localize phosphatidylinositol 4-kinase (PI4K) to the plasma membrane. The complex acts as a regulator of phosphatidylinositol 4-phosphate (PtdIns(4)P) synthesis. In the complex, plays a central role in bridging PI4KA to EFR3B and FAM126A, via direct interactions.[UniProtKB/Swiss-Prot Function]