

## Product datasheet for RN217588

### Ttc21b (NM\_001191737) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc21b (NM_001191737) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ttc21b
Synonyms:	RGD1565122
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217588 representing NM_001191737 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTCCCAGGGGCTGAAGACACTGATCAATTACTATTGTCAAGAGAGATACTATCACCATGTGCTCC  
TTGTGGCCAGTGAAGGGATGAAGAAGTATAGCAGTGACCCAGTCTCCGATTTTACCATGCCTACGGCAC  
ACTAATGGAGGGTAAAGCTCAAGAAGCCCTTCGGGAGTTTGGAGCCATAAAAATAACAAGACGTGTCA  
CTGTGTTCCCTGATGGCGCTGATGTATGCCATAAAATGAGCCCCAATCCAGATAGAGAAGCTATCCTGG  
AATTAGATACCAAAATGAAGGAGCAACGTAAGGAAGCCGGACGCAAAGCCTTGACCATGCAGGCCTGTT  
TCTGTGGCACATTGGTCGCCATGATAAGGCGAGAGAATATATTGACAGAAATGTCAAAAATGCCACATGAT  
AGCAATGAGGGACCGATTTTGAAGCATGGCTTGATATTACAAGAGGGAAGGAACCTTATGCTAAAAAAG  
CCCTACGGTATTTTGAAGGAGGATTACAAGATGGAAACGATATTTTGTCTGCTGGGTAAGGTAAGTGTG  
CCTTGAGATGCGACAGAAATATTCTGGAGCTCTGGAGACTGTGAGTCAGATAATTGTGAACCTCCCGAGC  
TTCCTTCTGCTTTTGAAGAAAATGAAATTACAACCTGGCTTTCAGGATTGGGATCAGACGGTGGAGA  
CGGCGCAAAGGTTGCTGCTTCAGGACGGCCACAATGTGGAGGCGCTGAGAATGCTGGCTTATATATCT  
GTGTAGGGAAGGGGACATAGAGAAGGCTGCTGCCAAGCTGGAAAATTTAGGAAATGCATTGGATGTCATG  
GAACCCAGAAATGCTCAACTTTTTTATAAGATTACAATAGCCTTCAGCAGAAGCTTGTGGACGTAATCAAC  
TCATTCTTCAAAAAGTTCAAAGTTTCTAGAAAAGCATTAGTTTAAACCCCCAGCAAGCAGAAATTGC  
TACAGAGCTTGGCTACCAAAATGATTCTCCAAGGCAAAGTCAAGGAGGCTGGAAGTGGTACAGGACCGCC  
ATGACACTGAACGAAAGCAACATCTCTGCCGTACCCGACTTATCCGATGTCAGTTAATAGAAGGACAAT  
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GATGTTGTGAACACTCACTTTTCACTTGAAGACCTCCCTCTCGGCATACAGTATTTTGAAGAAGTCA  
ACCCTGACTTCTACTAGAAGTTGTTAACGAGTATCTGAATCTCTGTCCAATTCAGCCTGCAGGTCCTGG  
GCAGCCTCTCTCCCAGTCTCAGACGTTGTTCTCAGTTCTGGAGACGATTATAAGAAGTACCAGGT



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CTTCCGCAAGCTGTCTTCTTAATGGCCAAAGTGAAGTATCTGTCAGGTGACACCGAGGCAGCCTACAACA  
 ACCTGCAGCACTGCCTGGAGCACAGCCCCTTTACGCAGAGGCTCACCTCCTGATGGCGCAGGTGTACCT  
 ATCCCAAGACAAAGTCCAGCTGTGTTCTCAGTCGCTTGAACCTTTGTCTGAGCTACAATTTCAATGTGAGA  
 GACTACCCACTGTACCACCTAATCAAAGCACAGTCACAGAAGAAAATGGGCGAGGTAGCAGAAGCAATTA  
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 AAGTGAAGTGGATGGGAGCCATCGCTTATCCATCTTTCTTGAGTTGGTGGAGGTTACCCGCTTAAATGGA  
 GAACAGCACGAGGCAGCAAAGGTTTACAAGATGCCATCCATGAGTTTTCTGGAACCTGCGAAGAATTAC  
 GTGTCACCTATTGCTAATGCAGACCTGGCTCTGGCCCAAGGAGATACAGAACGTGCATTAAGCATGCTCCG  
 AAATGTCACGACCGAACAGCCTTATTTTCATAGAAGCCAAGGAAAAATGGCAGACATTTACCTGAAGCAT  
 AGGAAAGAGAAAAATGTTGTACATCACTTGTACAGAGAAATGCTGAAAGGATGCCAGCCCGGCTCTT  
 TCCTGCTCCTTGGTGTGCATACATGAACATTCAGAGCCCGAGGAAGCCATAGTGGCCTATGAGCAAGC  
 ATTAATCAGAACCACAAAGATGGAACACTGGCGAGAAAAATGGGAAAGCACTTGTCAAACTCACAAC  
 TACTCAAAGGCAATCACCTATTATGAGGCTGCGCTGAAAAGTGGACAGCAGAATTGCCTGTGCTATGACC  
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 TGATCCTGTAATGAATTGTCGGCTCTCATGGTGGATGGGCGTCCCAAGTCCTTCTAGCAAAAGTTTAC  
 TCTAAAATGGAGAGACCTGGCGACGCGATTGCAGCATTGCAGCAGGCTCGAGAGCTGCAGGCTCGGATAC  
 TGAAGCGAGTTCAGATGGAGCAGCCAGATGCGGTTCCCTCACAGAGACACTTCGCAGCTGAAATTTGTGC  
 AGAGATCGCAAAACACTCCGCTGCTCAGCGAGACTACGAAAAGGCAATTACATTTTATAGAGAGGCCCTG  
 GTTCATTGTGAAACGGATAGTAAGATAATGTTGGAACCTGGCCAGTTATACCTGGCCCAAGAAGACCTTG  
 ATGCCTCCCTCCGGCACTGTGCACTGCTTCTCCAGAGGGACCAGGACAACGAACCGGCCACCATGCTGAT  
 GGCCGACCTCATGTTTCAGAAAACAGGACTATGAGCAAGCAGTGTCCACTGCAGCAGCTTTTGAACGA  
 AAACAGATAATTTTATGACTTTGTCCCGTTTGATTGATCTCCTGAGAAGATGTGGGAAACTTGAGGAGG  
 TTCCGAGATTTTCTTGATGGCTGAGAAACACAACCTCCAGAACAAAATGGAGCCAGGATTCAGTACTG  
 TAAAGGATTACATTTTTTGGTATACTGGAGAACCAAAATGATGCCCCTCGACATTTTAAATAAGCTCGGAAA  
 GATAGTACTGGGGTCAAATGCACTTTATAATATGATAGAAATCTGCTTGAATCCAGACAATGAAACTA  
 TTGGAGGTGAAGTGTGAAAACCTGAATGGAGACCTGGGCACTTCCCCAGAGAAGCAGGAATCTGTGCA  
 GTTAGCAGTGAGGACGGCAGAAAAGCTCCTTAAAGAACTAAAACCTCAGACTGTCCAGGGCCGCTGCAA  
 CTCCGCATCATGGAAAACCTGCTGCTTAATGGCCACCAAGCAGAAGTCCAGTGTGGAGCAGGCGCTGAACA  
 CCTTCACCGAAAATAGCAGCCTCTGAGAAGGATCATATCCCTGCTCCTCGGGAATGGCCACCGCTTATAT  
 GATCTTGAACAGACCCCGAAAGCCAGAAACAGCTGAAGCGGATTGCAAAAATGACCTGGAATCCTATT  
 GAAGCCGAGGAGCTGGAGAAGAGCTGGCTGCTGCTTGGCGATATTTATATCCAGTCAGCAAAATATGACA  
 TGGCGGAAGAGCTGCTGAAACGGTGTCTGTGCCATAACCGGTCCTGCTGCAAAAGCTTATGAATATATGGG  
 GTACATTATGGAGAAGGAGCAAGCATACAGATGCAGCCTTCAACTATGAGATGGCCTGGAAAACATAGC  
 AACCAGACAAATCCTGCTGTGGGATATAAATTGGCATTAAATTAATAAAAGCAAAACGATATGTGGATG  
 CAATTGACGTATGTCACCAGGTTCTTGAAGCACATCCAACCTACCCCAAAATCCGAAAGGATATACTGGA  
 TAAGGCCCGTGCATCGTTAAGACCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001191737
- Insert Size:** 3948 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

<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>	<u>NM_001191737.1, NP_001178666.1</u>
<b>RefSeq Size:</b>	3948 bp
<b>RefSeq ORF:</b>	3948 bp
<b>Locus ID:</b>	295654
<b>Cytogenetics:</b>	3q21