

Product datasheet for **RN209595**

Ttc30b (NM_001127607) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc30b (NM_001127607) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ttc30b
Synonyms:	MGC188467
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209595 representing NM_001127607
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGGGCTGAGCAGCTCTCAGATCCCCGACGGTGAGTTCACAGCGGTGGTGTACAGGCTCATCCGCG
 ACTCCCGCTACTCAGAGGCGGTGACAGCTGCTGAGCGCAGAGCTGCAGGGAGCCCCGCAGCCGCGCAGG
 GCTGTCGCTGCTGGCCTACTGCTACTACCGCTTGCAGGAGTTCGAGCTCGCTGCGGAGTGTATGAGCAA
 CTGAGCCAGATGCATCCGGAACCGAGCAGTACCGCTGTACCAGGCCAGGCGCTCTACAAGGCCTGCC
 TGTATCCAGAGGCCACCCGGTGCCTTCTCTGGACAACCCACCTATCAGACTCGAGTCTTCTGCTCT
 GCAGGCTGCTATCAAGTACAGTGAAGGGGATCTCCAGGAGCCAGGAGCCTAGTGGAGCAGCTGCTGAGT
 GGGGAAGGAGCTGAGGACAGTGGAGGGGAGAATGATTATGATGGTCAGATCAACCTGGTGTCTGCTCT
 ACAAGGAGGGACACTATGAAGCTGCCTGTTCCAAGTCTTAGCGGCCCTGCAGGCTTCTGGTTACCAGCC
 TGACATTTCTACAACCTGGCTTTAGCCTATTACAGCAGTCGGCAGTATGCGCCTGCTCTGAAGCATATC
 GCTGACATCATTGAGCGTGGCATCCGTCAACACCCAGAAGTGGTGGGATGACCACCGAAGGCATCG
 ATGTTCTGAAGTGTGGCAACACCATAGTCTTCCACAGACTGCTCTGGTGAAGCCTTCAACCTCAAGGC
 AGCCATAGAGTACCAGCTGAGAACTATGAAGCAGCTCAGGAAGCCCTCACTGACATGCCACCCAGAGCA
 GAGGAAGAGTTGGACCCCGTGACCTGCACAACCCAGGCTCTGATGAACATGGATGCCAAGCCACGGAGG
 GCTTTGAAAAGCTCCAGTTTCTGCTCCAGCAAAACCCCTCCCCCAGAGACCTTTGGCAACCTGCTGCT
 GCTTTACTGTAATATGAGTATTTGACCTGGCAGCTGATGTTCTAGCAGAAAACGCCACTTGACTTAC
 AAGTTCCTCACACCCTATCTCTATGACTTCTGGATGCCATGATCACTTGCCAGACAGCTCCTGAAGAGG
 CTTTCATTAACCTTGATGGGCTAGCAGGCATGCTGACGGAGCAGCTCAGGAGACTCACCATAAAGTACA
 GGATGCAAGACATAGTAGAGATGATGAATCTGCCAAAAAGGCTGTAACGATTATGATGAAACCCCTTGAG
 AAGTATATCCCTGTACTGATGGCCAGGCCAAAATCTACTGGAATCTTGAGAATTATCCAATGGTGGAGA
 AGATCTCCGCAAATCTGTGGAATTCTGTAATGACCACGATGTGTGGAAGCTGAATGTGGCCATGTCTCT
 CTTTCATGAGGAAAACAAGTACAAGGAGGCCATTGGTTTCTATGAGCCATTGTCAAGAAGAATTATGAT
 AACATCTGAGTGTGACGCTATCGTATTAGCTAACCTCTGTGTTTCTACATTATGACAAGTCAAAATG
 AGGAAGCTGAGGAGCTGATGAGGAAGATTGAGAAGGAGGAGGAACAACCTCCTATGATGACCCGGACAA
 GAAAATCTACCACCTTTCATTGTAATTTGGTATAGGAACCCTTTATGTGCCAAAGGAACTATGAC
 TTTGGCATCTCTGGGTTATCAAGAGCCTGGAGCCTTACCATAAGAAGCTGGGAAGTATGACGTGGTATT
 ATGCCAAAAGATGCTTCTGTCCTTACTGGAGAACATGTCAAAGCACACAATCATGCTGAGGAGCAGCGT
 CATTCAAGAATGTGTCCAGTTTCTAGAGCACTGTGAACCTTATGGCAGAAGCATCCCTGCTATTATCGAA
 CAGCCCTTGGAGGAGGAAAGAATGCACACGGGGAAGAATACGGTCACTTATGAGTCCAGAAAATTAAGGG
 CTCTGATTTATGAGATCATTGGGTGGAATATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001127607

Insert Size: 1995 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_001127607.1](#), [NP_001121079.1](#)

RefSeq Size: 2589 bp

RefSeq ORF: 1995 bp

Locus ID: 499814

UniProt ID: [B2RYD6](#)

Cytogenetics: 3q23

Gene Summary: Required for polyglutamylation of axonemal tubulin. Plays a role in anterograde intraflagellar transport (IFT), the process by which cilia precursors are transported from the base of the cilium to the site of their incorporation at the tip.[UniProtKB/Swiss-Prot Function]