

Product datasheet for **MC220266**

Ttc30b (NM_028235) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc30b (NM_028235) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ttc30b
Synonyms:	2510042P03Rik; Tcc30b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220266 representing NM_028235
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGGGCTGAGCAGCTCACAGATCCCCGACGGTGAGTTCACAGCAGTGGTGTACAGGCTCATCCGCG
 ACTCCCGCTACTCAGAGGCGGTGACAGTCTGAGCGCAGAGCTGCAGAGGAGCTCCCGCAGCCGCGCAGG
 GCTGTCGCTGCTGGCCTACTGCTACTACCGCTGCAGGAGTTCGAGCTCGCTGCAGAGTGTATGAGCAG
 CTGAGCCAGATGCACCCGGAACCGAGCAGTACCGCTGTACCAGGCCAGGCACTGTACAAGGCCTGCC
 TGTATCCAGAGGCCACCAGGGTCGCTTCTCTCTGGACAACCCGCTATCAGACTCGAGTCTTCTGCTCT
 CCAGGCTGCTATCAAGTACAGTGAAGGTGACCTCCAGGAGCCAGGAGCCTGGTGGAGCAGCTGCTGAGT
 GGGGAAGGTGTAGAGGACAGTGGAGGGGAGAGTGATTATGATGGTCAGATCAACCTAGGTTGTCTGCTCT
 ACAAGAGGGGACACTATGAAGTCGCTGTTCCAAGTCTTAGCGGCCCTGCAGGCTTCTGGCTACCAGCC
 TGACCTTCTCAACTTGGCTTTGGCCTATTACAGCAGTCGGCAGTACGCGCCTGCTCTGAAGCATAATC
 GCTGACATCATTGAGCGTGGCATCCGTCAACACCCAGAACTCGGTGTGGGCATGACCACGGAGGGCATTG
 ATGTTTCGAGTGTGGCAACACTATAGTCTTACCAGACTGCTCTGGTGAAGCCTTCAACCTCAAGGC
 AGCCATAGAGTACCAGCTGAGAACTACGAGGCAGCCAGGAAGCCCTCACTGACATGCCACCCAGAGCA
 GAGGAAGAGCTGGACCCCGTAACCTCCACAACCAGGCTCTGATGAACATGGATGCCAAGCCACAGAGG
 GCTTTGAAAAGCTCCAGTTTCTGCTCCAGCAGAACCCCTCCCCCAGAGACCTTTGGCAACCTGCTGCT
 GCTCTACTGTAATATGAGTATTTGACCTGGCAGCTGATGTCTGGCAGAAAATGCCCACTTGACTTAC
 AAGTTCCTCACACCCTATCTCTATGACTTCTTGGATGCCATGATCACTTGCCAGACAGCTCCTGAAGAGG
 CTTTCATTAACCTTGATGGGTTGGCTGGCATGCTGACTGAGCAGCTCCGAAAACCTACCATAACAAGTACA
 GGATTCGAAGGCATAGTAGAGATGATGAATCTGCCAAAAAGGCTGTGAATGAATATGATGAAACTCTTGAG
 AAGTATATTCCTGTACTGATGGCCAGGCAAAAATCTACTGGAACCTTGGAAATTACCAATGGTGGAGA
 AGATCTCCGCAATCTGTGGAATTCTGTAATGACCATGATGTGTGGAAGCTGAATGTGGCCATGTCTCT
 CTTTCATGAGGAGAAAGTACAAGAGGCCATTGGTTTCTATGAGCCATTGTCAAGAAGAATTATGAT
 AACATCTGAGTGTGAGTCTATTGTGTTAGCCAACCTCTGTGTTTCTATATCATGACAAGTCAAAATG
 AGGAAGCTGAGGAGCTCATGAGGAAGATTGAGAAGGAGGAGGAACAACCTCTTATGGTGACCCAGACAA
 GAAAATCTACCACCTTTCATTGTAATTTGGTGTAGGAACTCTGTATTGTGCCAAAGGAAACTATGAC
 TTTGGCATCTCTGGGTTATCAAAAGCCTGGAGCCTTACCATAAAAAGCTAGGCACCGATACATGGTATT
 ATGCCAAGAGATGTTTCTGTCCTTACTAGAGAACATGTCAAAGCACACAATTATGCTAAGGACAGTGT
 CATTCAAGAATGTGTGAGTTTCTAGAGCACTGTGAACCTTATGGTAGAAACATTCAGCTGTTATAGAA
 CAGCCCTTGGAGGAAGAAAGATGCACACTGGGAAGAATACAGTCACATATGAATCAAGAAAGTTGAGGG
 CTCTGATTTATGAGATAATTGGATGGAATGTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_028235
- 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_028235.1](#), [NP_082511.1](#)

RefSeq Size: 2634 bp

RefSeq ORF: 1995 bp

Locus ID: 72421

UniProt ID: [Q9CY00](#)

Cytogenetics: 2 C3

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]