

## Product datasheet for **MC220225**

### **Ttc30a1 (NM\_030188) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ttc30a1 (NM_030188) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ttc30a1
Synonyms:	4930506L13Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220225 representing NM\_030188  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCGTGGCAAAGCAGCTCTAAAGTCCCGACGGTGAGTTCACAGCGGTGGTGTACAGGCTCATCCGCG  
ACTCCCGCTACTCAGAGGCGGTGACGCTGCTAAGCGCAGAGCTGCAGAGAAGCTCCCGCAGCCGCGCAGG  
GCTGTCGCTGCTGGCCTACTGCTACTACCGCTGCAGGAGTTCGAGCTCGCTGCAGAGTGTATGAGCAG  
CTGAGCCAGATGCACCCGGAACCTGAGCAGTACCGCTGTACCAGGCCAGGCGTGTACAAGGCCTGCC  
TGTATCCAGAAGCCACCAGGGTACCTTCTCTGACAAACCCGCTATCAGACTCGAGTCTTCTGCTCT  
CCAGGCTGCTATCAAGTACAGTGAAGGTGACCTCCAGGAGCCAGGAGCCTGGTGGAGCAGCTGCTGAGT  
GGGAAGCTGGAGAAGACAGTGGAGGGGAGAATGACCCAGATGGTTTGGTCAACATGGGTGTCTGCTCT  
ACAAGGAGGGACACTATGAAGCTGCCTGCTCAAGTCTTAGCGGCCCTGCAGGCTTCTGGCTACCAGCC  
TGACCTTCTCAACTTGGCATTGGCCTATTACAGCAGTCGGCAGTACGCGCCTGCTCTGAAGCATATC  
GCTGACATCATTGAGCGTGGCATCCGTCAACACCCAGAACTCGGTGTGGGCATGACCACGGAGGGCATTG  
ATGTTTCGAGTGTGGCAACACTGTAGTCTTACCAGACTGCTCTGATTGAAGCTTTCAACCTCAAGGC  
AGCCATAGAGTATCAGCTGAGAACTTTGAGGTAGCCCAAGAACTCTCACTGACATGCCTCCTAGAGCA  
GAGGAAGAGCTGGACCCGTAACCTCCACAACCAGGCTCTGTGAACATGGATGCCAAGCCACAGAGG  
GCTTTGAAAAGCTCCAGTTTCTGCTCCAGCAGAACCCCTTTCCCCAGAGACCTTTGGCAACCTGCTGCT  
GCTCTACTGTAATATGAGTATTTGACCTGGCAGCTGATGTCTGGCAGAAAATGCCCACTTAACCTTAC  
AAGTTCCTCACACCCTATCTCTATGACTTCTTGGATGCCATGATCACTTCCAGACAGCTCCTGAAGAGG  
CTTTCATTAACCTTGATGGGTTGGCTGGCATGCTGACTGAGCAGCTCAGGAGACTCACTAAGCAAGTCA  
AGAAGCAAGGCATAACAGAGATGATGAAATTATTAAGGCTATGAATGAATATGATGAAACTCTTGAG  
AAATATATTCCTGTACTGATGGCCAGGCAAAAATCTACTGGAATCTTGAGAATTACCAATGGTAGAGA  
AGATCTCCGCAATCTGTGGAATTCTGTAATGACCATGATGTGTGGAAGCTGAATGTGGCCATGTCTCT  
CTTCATGCAGGAGAACAAGTACAAAGAGGCCATTGGTTTCTATGAGCCATTGTCAAGAAGAATTATGAT  
AACATCTGAGTGTGAGTCTATTGTGTTAGCCAACTCTGTGTTTCTATATCATGACAAGTCAAAACG  
AGGAAGCTGAGGAGCTCATGAGGAAGATTGAGAAGGAGGAGGAACAACCTCTTATGGTGACCCAGACAA  
GAAAATCTACCACCTTTCATTGTAATTTGGTATAGGAACCTGTATTGTCCAAAGGAACTATGAC  
TTTGGCATCTCTGGGTTATCAAAAGCTTGGAGCCTTACCATAAAAAGCTAGGCACCGATACGTGGTATT  
ATGCCAAGAGATGCTTCTGTCCTTACTAGAGAACATGTCAAAGCACATGATAGTCTTTGTGACGGTGT  
TGTTCAAGAATGTGTCCAGTTTCTAGAGTACTGTGAACCTTATGGTAGAAACATCCCTGCTGTTTTAGAA  
CAGCCCTTAGAGGAAGAAAGAAATCACACCGGGAAGAATACAGTCACATATGAGTCCAGACTGTTGAAAG  
CTTTGATTTATGAGGTATAGGGTGAATATGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_030188

**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\\_030188.3](#), [NP\\_084464.3](#)

**RefSeq Size:** 2862 bp

**RefSeq ORF:** 1995 bp

**Locus ID:** 78802

**UniProt ID:** [Q99J38](#)

**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]