

## Product datasheet for **MC216011**

### **Tubb2b (NM\_023716) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tubb2b (NM_023716) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tubb2b
Synonyms:	2410129E14Rik; brdp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216011 representing NM\_023716  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCGAGAGATCGTGACATTCAGGCGGGCCAGTGCGGCAACCAGATCGGTGCCAAGTTTTGGGAGGTCA  
TCAGTGATGAGCATGGTATAGACCCCACTGGAAGTTACCATGGAGACAGTGATTTGCAACTGGAAAAGAA  
CAATGTATACTACAATGAAGCAACTGGTAATAAATATGTGCCTAGGGCCATCCTGGTGGACCTGGAGCCA  
GGCACAATGGACTCAGTCAGGTCTGGACCATTTGGGCAGATCTTCAGGCCGGACAACCTCGTGTTCGGCC  
AGAGTGGTGCAGGAAATAACTGGGCAAAGGGCCACTACACAGAGGGGGCCGAGCTGGTGGACTCTGTCT  
GGACGTGGTGGAGGAGGAGTCAGAAAGCTGTGACTGTCTTCAGGGCTTCAGCTGACCCACTCACTGGGG  
GGAGGCACTGGCTCAGGCATGGGACCCTGCTCATCAGCAAGATCAGAGAGGAGTACCCAGACCCGCATCA  
TGAACACCTTCAGCGTCATGCCCTCACCAAGGTCTCTGACACTGTGGTGGAGCCCTATAATGCCACCCT  
CTCAGTGCACCAGCTGGTAGAGAACACAGATGAAACCTACTGCATCGATAATGAGGCTCTGTATGACATC  
TGTTTCCGCACCCTGAAGCTGACCACACCACCTATGGCGATCTCAACCCTGGTGTGACGCCACATGA  
GTGGAGTGACCACCTGCCTGCGCTTCCCAGGCCAGCTGAACGCAGACCTGCGCAAGCTGGCCGTGAACAT  
GGTGCCATTTCCACGCTGCACTTCTTCATGCCAGGCTTTGCACCTCTGACCAGCCGGGGCAGCCAGCAG  
TACCGAGCCCTGACGGTGCCTGAGCTGACCCAGCAGATGTTTCGACTCCAAGAACATGATGGCTGCCTGCG  
ACCCTCGCCATGGCCGCTACCTGACCGTGGCCGCCATTTCCGTGGCCGCATGTCATGAAGGAGGTGGA  
TGAGCAGATGCTCAACGTGCAGAACAAGAACAGCAGCTACTTCGTGGAGTGGATCCCCAACACGCTCAAG  
ACGGCCGTGTGTGACATCCCTCCTCGTGGCCTCAAGATGTCAGCCACCTTCATTGGCAACAGCACTGCCA  
TCCAGGAGCTGTTCAAGCGCATCTCGGAGCAGTCACTGCTATGTTCCGGCGCAAGGCTTTCCTGCATG  
GTACACGGGTGAGGGCATGGACGAGATGGAGTTACCGAGGCGGAGAGCAACATGAATGACCTGGTGTCT  
GAGTACCAGCAGTACCAGGATGCCACGGCTGATGAGCAGGGCGAGTTCGAGGAGGAAGAGGGCGAGGATG  
AGGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_023716

**Insert Size:** 1338 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\\_023716.2](#), [NP\\_076205.1](#)

RefSeq Size: 1922 bp

RefSeq ORF: 1338 bp

Locus ID: 73710

UniProt ID: [Q9CWF2](#)

Cytogenetics: 13 A3.3

**Gene Summary:** Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain. Plays a critical role in proper axon guidance in both central and peripheral axon tracts. Implicated in neuronal migration.[UniProtKB/Swiss-Prot Function]