

## Product datasheet for **RN210235**

### **Tubb4b (NM\_199094) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tubb4b (NM_199094) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tubb4b
Synonyms:	Tubb2; Tubb2c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210235 representing NM\_199094  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGGAGATCGTGCACCTGCAGGCTGGGCAAGTTCGCGCCAAGTTCTGGGAGGTAA  
 TCAGCGACGAGCATGGCATTGATCCCACTGGCAGTACCACGGAGATAGCGACCTCCAGCTGGAGCGCAT  
 CAACGTGTACTACAACGAGGCCACCGGTGGCAAGTATGTCCCGCGCTGTGCTCGTGGACTTGGAGCCC  
 GGCACCATGGACTCGGTGCGCTCAGGGCCCTTCGGGCAGATCTTCAGACCTGATAACTTCGTTTTGGTC  
 AGAGTGGGGCTGGGAACAAGTGGGCCAAGGGGCACTACACAGAAGGTGCAGAGCTGGTTGACTCGGTGTT  
 GGACGTTGTGAGGAAGGAAGCTGAGAGCTGTGACTGCCTGCAAGGCTTCAGCTGACCCACTCCCTGGGT  
 GGGGGGACTGGGTCTGGGATGGTACCCTCCTTATCAGCAAGTCCGGGAGGAGTACCCAGACAGAATCA  
 TGAACACCTTCAGTGTGGTCCCTCCCCAAGGTGTCGGACACAGTGGTTGAGCCCTACAATGCCACCT  
 TTCAGTCCACCAGCTTGTGAAAACACAGATGAGACCTATTGTATTGATAATGAAGCACTCTATGACATC  
 TGCTTCAGAACCTAAAGCTGACCACACCCACTTATGGTGACCTGAACCATCTAGTGTCCGCCACCATGA  
 GTGGGGTAACCGCTTGCCTACGATTCCCTGGCCAGCTAAATGCTGACCTGCGGAAACTGGCTGTAATAT  
 GGTGCCCTTCCCTCGCTGCACTTCTTCATGCCTGGCTTTGCCCCCTTGACCAGCCGGGGAAGCCAGCAG  
 TACCGAGCCCTGACAGTTCCTGAGCTCACCCAGCAGATGTTTGTGCTAAGAACATGATGGCTGCCTGTG  
 ATCCCCGCCATGGGCGCTACTTGACAGTGGCTGCCGTGTTCCAGGGCCCGCATGTCTATGAAGGAGGTGGA  
 CGAACAGATGCTTAATGTCCAAAACAAGAACAGCAGCTACTTTGTTGAGTGGATCCCCAACACGTGAAA  
 ACAGCTGTCTGTGACATTCCACCTCGGGCCCTAAAAATGTCCGCCACCTCATTGGCAACAGCACGGCTA  
 TTCAGGAGCTGTTCAAACGCATCTCAGAGCAGTTCACAGCCATGTTCCGACGCAAGGCCTTCCTACACTG  
 GTACACGGGCGAGGGCATGGATGAGATGGAGTTCACTGAGGCTGAGAGCAACATGAATGACCTGGTGCTCC  
 GAGTACCAGCAGTACCAGGATGCTACAGCTGAGGAGGAAGGAGAGTTTGGAGGAGGCTGAGGAGGAGG  
 TGGCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_199094

**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\\_199094.2](#), [NP\\_954525.1](#)  
RefSeq Size: 1578 bp  
RefSeq ORF: 1338 bp  
Locus ID: 296554  
UniProt ID: [Q6P9T8](#)  
Cytogenetics: 3p13  
Gene Summary: predicted gene; may be related to the tubulin protein family [RGD, Feb 2006]