

## Product datasheet for **RR210235**

### **Tubb4b (NM\_199094) Rat Tagged ORF Clone**

#### **Product data:**

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



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**ORF Nucleotide Sequence:**

>RR210235 representing NM\_199094  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGGGAGATCGTGCACCTGCAGGCTGGGCAAGTGCAGCAACAGATTGGCGCCAAGTTCTGGGAGGTAA  
 TCAGCGACGAGCATGGCATTGATCCCACTGGCAGTACCACGGAGATAGCGACCTCCAGCTGGAGCGCAT  
 CAACGTGTACTACAACGAGGCCACCGGTGGCAAGTATGTCCCGCGCTGTGCTCGTGGACTTGGAGCCC  
 GGCACCATGGACTCGGTGCGCTCAGGGCCCTTCGGGCAGATCTTCAGACCTGATAACTTCGTTTTGGTC  
 AGAGTGGGGCTGGGAACAAGTGGGCAAGGGGCACTACACAGAAGGTGCAGAGCTGGTTGACTCGGTGTT  
 GGACGTTGTGAGGAAGGAAGCTGAGAGCTGTGACTGCCTGCAAGGCTTCAGCTGACCCACTCCCTGGGT  
 GGGGGACTGGGTCTGGGATGGTACCCTCCTTATCAGCAAGTCCGGGAGGAGTACCCAGACAGAATCA  
 TGAACACCTTCAGTGTGGTCCCTCCCCAAGGTGTCGGACACAGTGGTTGAGCCCTACAATGCCACCT  
 TTCAGTCCACAGCTTGTGAAAACACAGATGAGACCTATTGTATTGATAATGAAGCACTCTATGACATC  
 TGCTTCAGAACCTAAAGCTGACCACACCCACTTATGGTGACCTGAACCATCTAGTGTCCGCCACCATGA  
 GTGGGGTAACCGCTTGCCTACGATTCCCTGGCCAGCTAAATGCTGACCTGCGGAAACTGGCTGTAATAT  
 GGTGCCCTTCCCTCGCTGCACTTCTTCATGCCTGGCTTTGCCCCCTTGACCAGCCGGGGAAGCCAGCAG  
 TACCGAGCCCTGACAGTTCCTGAGCTCACCCAGCAGATGTTTGTGCTAAGAACATGATGGCTGCCTGTG  
 ATCCCCGCCATGGGCGCTACTTGACAGTGGCTGCCGTGTTCCAGGGCCCGCATGTCTATGAAGGAGGTGGA  
 CGAACAGATGCTTAATGTCCAAAACAAGAACAGCAGCTACTTTGTTGAGTGGATCCCCAACACGTGAAA  
 ACAGTGTCTGTGACATTCCACCTCGGGCCCTAAAAATGTCCGCCACCTCATTGGCAACAGCACGGCTA  
 TTCAGGAGCTGTTCAAACGCATCTCAGAGCAGTTCACAGCCATGTTCCGACGCAAGGCCCTCCTACACTG  
 GTACACGGGCGAGGGCATGGATGAGATGGATTCCTACTGAGGCTGAGAGCAACATGAATGACCTGGTGTCC  
 GAGTACCAGCAGTACCAGGATGCTACAGCTGAGGAGGAAGGAGAGTTTGGAGGAGGCTGAGGAGGAGG  
 TGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR210235 representing NM\_199094  
 Red=Cloning site Green=Tags(s)

MREIVHLQAGQCGNQIGAKFWEVISDEHGIDPTGTYHGDSDLQLERINVYYNEATGGKYVPRAVLVDLEP  
 GTMDSVRSQPFQIFRPDNFVFGQSGAGNNAWKHYTEGAELVDSVLDVVRKEAESCDLQGFQLTHSLG  
 GGTGSGMGTLLISKIREEYPDRIMNTFSVVPSPKVSQTVVEPYNATLSVHQLVENTDETYCIDNEALYDI  
 CFRTLKLTTPTYGDLNHLVSATMSGVTAACLRFPQQLNADLRKLAVMVFPFRLHFFMPGFAPLTSRGSQQ  
 YRALTVPELTQQMFDKNNMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLNVQNKNSYFVEWIPNNVK  
 TAVCDIPRGLKMSATFIGNSTAIQELFKRISEQFTAMFRRKAFLLHWYTGEGMDEMEFTEAESNMNDLVS  
 EYQYQDATAEEEEGEFEEEEEEVA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



**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

**MW:** 49.8 kDa

**Gene Summary:** predicted gene; may be related to the tubulin protein family [RGD, Feb 2006]