

## Product datasheet for **RN205138**

### **Tubb5 (NM\_173102) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tubb5 (NM_173102) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tubb5
Synonyms:	Tubb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN205138 representing NM\_173102  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGGAAATCGTGCACATCCAGGCCGGACAGTGTGGCAACCAGATCGGTGCTAAGTTCTGGGAGGTGA  
 TAAGCGATGAACACGGCATCGACCCACCGGCACCTACCACGGAGACAGCGACTTGCAGCTGGACCGAAT  
 CTCTGTGTACTACAATGAAGCTACAGGTGGCAAGTATGTCCTCGAGCTATCTTAGTGGATCTAGAACC  
 GGGACTATGGACTCCGTTTCGCTCAGGTCCTTTGGCCAGATCTTCAGACCGGACAACCTTTGTTTTGGTC  
 AGTCTGGGGCAGGCAACAACCTGGGCTAAGGGTCACTACACAGAGGGAGCTGAGCTGGTTGACTCTGTCTT  
 GGATGTGGTGGGAAGGAGGGGAGAGCTGTGACTGCCTGCAAGGCTTTCAGCTGACCCATTTCGTTGGGT  
 GGAGGCACGGGCTCTGGCATGGCACCCCTGCTCATCAGCAAGATTCGAGAAGAATACCCCGACCGCATCA  
 TGAACACCTTTAGCGTGGTGCCTCACCAAAGTGTCTGACACCGTGGTTGAGCCCTACAACGCCACCT  
 GTCGCTCCACCAGTTGGTAGAGAACACAGATGAGACCTACTGCATTGACAACGAGGCCCTCTACGACATC  
 TGCTTCGGTACCCTTAAGCTCACACGCCAACCTACGGAGACCTGAACCATCTCGTCTCTGCCACCATGA  
 GCGGTGTACACCTGCCTCCGTTTCCCGGCCAGCTGAACGCCGACCTTCGGAAGCTGGCTGTCAACAT  
 GGTGCCCTTCCCGCTCTCCACTCTTTATGCCTGGCTTTGCCCTCTCACACGCGTGGAGCCAGCAG  
 TACCGGGCCCTCACTGTGCCTGAACTCACCCAGCAGGTCTTCGACGCCAAGAATGATGGCCGCTGTG  
 ACCCACGCCACGGCCGGTACCTCACGGTTGCGGCTGTCTCCGTGGACGGATGTCATGAAGGAGGTAGA  
 TGAGCAAATGCTCAACGTGCAGAATAAGAATAGCAGCTACTTCGTGGAATGGATCCCCAACACGTCAAG  
 ACGGCTGTCTGTGACATCCACCGCGAGGCTCAAGATGGCAGTACCTTCATCGGAAACAGCACGGCCA  
 TCCAGGAGCTCTCAAGCGCATCTCTGAGCAGTTACGGCAATGTTCCGTGCGAAGGCTTTCCTCCACTG  
 GTACACGGGTGAGGGCATGGACGAGATGGAGTTACCGAAGCTGAGAGCAACATGAATGACCTCGTCTCT  
 GAGTATCAGCAGTACCAGGACGCCACCGAGAAGAGGAAGAGGATTTTCGAGAGGAGGCAGAAGAAGAGG  
 CCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_173102
- Insert Size:** 1335 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\\_173102.2](#), [NP\\_775125.1](#)  
RefSeq Size: 2395 bp  
RefSeq ORF: 1335 bp  
Locus ID: 29214  
UniProt ID: [P69897](#)  
Cytogenetics: 20p12  
Gene Summary: beta 5-tubulin; polymerizes to form microtubules; member of a family of structural proteins [RGD, Feb 2006]