

## Product datasheet for **RN214069**

### **Tuba1c (NM\_001011995) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tuba1c (NM_001011995) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tuba1c
Synonyms:	Tuba6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214069 representing NM\_001011995  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCGTGAGTGCATCTCCATCCACGTTGGCCAGGCTGGTTCAGATCGGCAATGCCTGCTGGGAGCTCT  
ACTGCCTGGAACATGGCATCCAGCCTGATGGCCAGATGCCAAGTGACAAGACCATTGGGGGAGGAGATGA  
CTCCTTCAACACCTTCTTCAGTGAGACAGGAGCTGGCAAGCACGTGCCCGGGCGGTGTTTCGTAGACCTG  
GAACCCACAGTTATTGATGAAGTTCGAAGTGGCACCTACCGCCAGCTCTCCACCCAGAGCAGCTCATCA  
CAGGCAAGGAAGATGCTGCCAATAACTATGCCCGTGGCCACTACACCATTGGCAAGGAGATCATTGACCT  
TGTCTTGGACAGAATTCGCAAGCTGGCTGACCAGTGCACGGGTCTCCAGGGCTTCTTGGTTTTCCACAGC  
TTTGGTGGGGAACTGGCTCTGGGTTACCTCCCTGCTGATGGAGAGGCTCTCTGTCGACTACGGAAAGA  
AGTCCAAGCTGGAGTTCTCCATTTACCCAGCCCCCAGGTTTCCACTGCTGTGGTTGAGCCCTACAATTC  
CATCCTCACCACCACACCACCCTGGAGCACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTAT  
GACATCTGTCGTAGAAACCTCGACATTGAGCGCCCAACCTACACTAACCTTAACCGCCTTATTAGCCAGA  
TTGTGTCTTCCATCACTGCTTCCCTCAGATTTGATGGGGCCCTGAATGTTGATCTGACAGAATCCAGAC  
CAACCTGGTGGCCCTACCCTCGAATCCACTTCCCTCTGGCCACTTATGCCCTGTCTCTGCTGAGAAA  
GCCTACCATGAGCAACTACAGTAGCAGAGATCAACATGCCTGCTTTGAGCCAGCAACACAGATGGTGA  
AATGTGACCCTCGCCATGGTAAATACATGGCTTGTGCTGCTGTACCGTGGTGTGTGGTCCCCAAGGA  
TGTCATGCTGCCATTGCCACCAAGACCAAGCGTACCATCCAGTTTGTGGACTGGTGGCCACTGGC  
TTCAAGGTTGGCATTAAATACCAGCCTCCCACTGTGGTACCTGGTGGCGACCTGGCCAGGGTGCAGAGAG  
CTGTGTGATGCTGAGCAACACCACAGCATTGCTGAGGCTGGGCTCGCCTGGATCACAAGTTTGATCT  
GATGTATGCCAAGCGTGCCTTTGTGCACTGGTATGTGGGTGAGGGCATGGAGGAGGGGAGTTCTCTGAG  
GCCCGTGAAGGATATGGCTGCCCTAGAGAAGGATTATGAGGAGGTTGGGGCAGATAGTCTGAAGGAGACG  
ATGAGGGTGAAGAATATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001011995

**Insert Size:** 1350 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\\_001011995.1](#), [NP\\_001011995.1](#)

RefSeq Size: 1559 bp

RefSeq ORF: 1350 bp

Locus ID: 300218

UniProt ID: [Q6AYZ1](#)

Cytogenetics: 7q36

**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. [UniProtKB/Swiss-Prot Function]