

Product datasheet for **RN205743**

Tuba1b (NM_001044270) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tuba1b (NM_001044270) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tuba1b
Synonyms:	RGD1565476
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205743 representing NM_001044270
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCGTGAGTGCATCTCCATCCACGTGCGCCAGGCTGGTGTCCAGATCGGCAATGCCTGCTGGGAGCTCT
ACTGCCTGGAACATGGCATCCAGCCTGATGGCCAGATGCCAAGCGACAAGACCATTGGGGGAGGAGATGA
CTCCTTCAACACCTTCTTCAGTGAGACAGGAGCTGGCAAGCACGTGCCCGGGCGGTGTTTCGTAGACCTG
GAACCCACAGTTATTGATGAAGTTCGCACTGGCACCTACCGCCAGCTCTCCACCCAGAGCAGCTCATCA
CAGGCAAGGAAGATGCTGCCAATAACTATGCCCGTGGCCACTACACCATTGGCAAGGAGATCATTGACCT
TGTCTTGGACAGAATTCGCAAGCTGGCTGACCAGTGCACCGGTCTCCAGGGCTTCTTGGTTTTCCACAGC
TTTGGTGGGGAACTGGCTCTGGGTTACCTCCCTGCTGATGGAGAGGCTCTCTGTCGACTACGGAAAGA
AGTCCAAGCTGGAGTTCTCCATTTACCCAGCCCCCAGGTTTCCACTGCTGTGGTTGAGCCCTACAATTC
CATCCTCACCCACACCACCCTGGAGCACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTAT
GACATCTGTCGTAGAAACCTCGACATTGAGCGCCCAACCTACACTAACCTTAACCGCCTTATTAGCCAGA
TTGTGTCTTCCATCACTGCTTCCCTCAGATTTGATGGGGCCCTGAATGTTGATCTGACAGAATCCAGAC
CAACCTGGTGGCCCTACCCTCGCATCCACTTCCCTCTGGCCACTTATGCCCTGTCTCTGCTGAGAAA
GCCTACCATGAACAGCTTCTGTAGCAGAGATCAACCAATGCCTGCTTTGAGCCAGCAACCATGAGTGA
AATGTGACCCTCGCCATGGTAAATACATGGCTTGTGCTGCTGTACCGTGGTGTGTTGGTCCCAAAGA
TGTCATGCTGCCATTGCCACCAAGACCAAGCGCAGCATCCAGTTTGTGGACTGGTGGCCCACTGGC
TTCAAGGTTGGCATTAAATACCAGCCTCCCACTGTGGTACCTGGTGGCGACCTGGCCAAGGTCAGAGAG
CTGTGTGATGCTGAGCAACACCACAGCATTGCTGAGGCTTGGGCTCGCCTGGATCACAAGTTTGATCT
GATGATGCCAAGCGTGCCTTTGTGCACTGGTACGTGGGTGAGGGCATGGAGGAGGAGAGTTCTCTGAG
GCCCGTGAAGGACATGGCTGCCCTAGAGAAGGATTATGAGGAGGTTGGTGTGGATTCTGTGGAGGTTGAGG
GTGAGGAAGAAGGAGAGGAATAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001044270

Insert Size: 1356 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_001044270.2](#), [NP_001037735.1](#)

RefSeq Size: 1645 bp

RefSeq ORF: 1356 bp

Locus ID: 500929

UniProt ID: [Q6P9V9](#)

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]