

Product datasheet for **RN202095**

Tuba1a (NM_022298) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tuba1a (NM_022298) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tuba1a
Synonyms:	Tuba1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202095 representing NM_022298
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGTGAGTGTATCTCCATCCACGTGCGCCAGGCTGGTTCAGATCGGCAATGCCTGCTGGGAGCTCT
ACTGCCTGGAACATGGCATCCAGCCTGATGGCCAGATGCCAAGCGACAAGACCATTGGGGGAGGAGATGA
CTCCTTCAACACCTTCTTCAGTGAGACAGGAGCTGGCAAGCACGTGCCCGGGCGGTGTTTCGTAGACCTG
GAACCCACAGTTATTGATGAAGTTCGCACTGGCACCTACCGCCAGCTCTTCCACCCAGAGCAGCTCATCA
CAGGCAAGGAAGATGCTGCCAATAACTATGCCCGTGGCCACTACACCATTGGCAAGGAGATCATTGACCT
TGTCTTGGACAGAATTCGCAAGCTGGCTGACCAGTGCACGGTCTCCAGGGCTTCTTGGTTTTCCACAGC
TTTGGTGGGGAACTGGCTCTGGGTTACCTCCCTGCTGATGGAGAGGCTCTCTGTCGACTACGGAAAGA
AGTCCAAGCTGGAGTTCTCCATTTACCCAGCCCCCAGGTTTCCACTGCTGTGGTTGAGCCCTACAATTC
CATCCTCACCACCACACCACCCTGGAGCACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTAT
GACATCTGTCGTAGAAACCTCGACATTGAGCGCCAACCTACACTAACTAAACAGGTTGATAGGTCAAA
TTGTGTCTTCCATCACTGCTTCCCTCAGATTTGATGGGGCCCTGAATGTTGATCTGACAGAATCCAGAC
CAACCTGGTGGCCCTACCCTCGCATCCACTTCCCTCTGGCCACTTATGCCCTGTCATCTCTGCTGAGAAA
GCCTACCATGAACAGCTTCTGTAGCAGAGATCAACCAATGCCTGCTTTGAGCCAGCCAACCATGGTGA
AATGTGACCCTCGCCATGGTAAATACATGGCTTGTGCTGCTGTACCGTGGTGTGTTGGTCCCAAGA
TGTCATGCTGCCATTGCCACCAAGACCAAGCGTACCATCCAGTTTGTGGACTGGTGGCCCACTGGC
TTCAAGGTTGGCATTAAATACCAGCCTCCACTGTGGTCCCTGGTGGCGACCTGGCCAAGGTCAGAGAG
CTGTGTATGCTGAGCAACACCACAGCATTGCTGAGGCTGGGCTCGCCTGGATCACAAGTTTGATCT
GATGTATGCCAAGCGTGCCTTTGTGCACTGGTACGTGGGTGAGGGCATGGAGGAGGAGAGTTCTCTGAG
GCCCGTGAAGGACATGGCTGCCCTAGAGAAGGATTATGAGGAGGTTGGTGTGGATTCTGTGGAGGTTGAGG
GTGAGGAAGAAGGAGAGGAATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_022298

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_022298.1](#), [NP_071634.1](#)

RefSeq Size: 1617 bp

RefSeq ORF: 1356 bp

Locus ID: 64158

UniProt ID: [P68370](#)

Cytogenetics: 7q36

Gene Summary: forms heterodimers with beta-tubulin; acts as a structural component of the microtubule cytoskeleton; plays a role in microtubule-based processes [RGD, Feb 2006]