

## Product datasheet for **RR202095**

### Tuba1a (NM\_022298) Rat Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>RR202095 representing NM\_022298  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGTGAGTGTATCTCCATCCACGTGCGCCAGGCTGGTTCAGATCGGCAATGCCTGCTGGGAGCTCT  
 ACTGCCTGGAACATGGCATCCAGCCTGATGGCCAGATGCCAAGCGACAAGACCATTGGGGGAGGAGATGA  
 CTCTTCAACACCTTCTTCAGTGAGACAGGAGCTGGCAAGCACGTGCCCCGGGCGGTGTTTCGTAGACCTG  
 GAACCCACAGTTATTGATGAAGTTCGCACTGGCACCTACCGCCAGCTCTTCCACCCAGAGCAGCTCATCA  
 CAGGCAAGGAAGATGCTGCCAATAACTATGCCCGTGGCCACTACACCATTGGCAAGGAGATCATTGACCT  
 TGTCTTGGACAGAATTCGCAAGCTGGCTGACCAGTGCACGGGTCTCCAGGGCTTCTTGGTTTTCCACAGC  
 TTTGGTGGGGAACTGGCTCTGGGTTACCTCCCTGCTGATGGAGAGGCTCTCTGTGACTACGGAAAGA  
 AGTCCAAGCTGGAGTTCTCCATTTACCCAGCCCCCAGGTTTCCACTGCTGTGGTTGAGCCCTACAATTC  
 CATCTCACCCACCACACCCTGGAGCACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTAT  
 GACATCTGTCGTAGAAACCTCGACATTGAGCGCCCAACCTACACTAACTTAAACAGGTTGATAGGTCAA  
 TTGTGTCTTCCATCACTGCTTCCCTCAGATTTGATGGGGCCCTGAATGTTGATCTGACAGAATCCAGAC  
 CAACCTGGTGCCCTACCTCGCATCCACTTCCCTCTGGCCACTTATGCCCTGTCATCTCTGCTGAGAAA  
 GCCTACCATGAACAGCTTCTGTAGCAGAGATCAACATGCCTGCTTTGAGCCAGCCAACCATGAGTGA  
 AATGTGACCCCTCGCCATGGTAAATACATGGCTTGTCTGCTGTACCCTGGTGTGTTGGTCCCCAAGA  
 TGTCAATGCTGCCATTGCCACCATCAAGACCAAGCGTACCATCCAGTTTGTGGACTGGTGGCCACTGGC  
 TTCAAGGTTGGCATTAAATACCAGCCTCCACTGTGGTCCCTGGTGGCGACCTGGCCAAGGTCAGAGAG  
 CTGTGTATGCTGAGCAACACCACAGCATTGCTGAGGCTGGGCTCGCCTGGATCACAAGTTTGATCT  
 GATGTATGCCAAGCGTGCCTTTGTGCACTGGTACGTGGGTGAGGCATGGAGGAGGAGAGTTCTCTGAG  
 GCCCGTAGGACATGGCTGCCCTAGAGAAGGATTATGAGGAGGTTGGTGTGGATTCTGTGGAGGTTGAGG  
 GTGAGGAAGAAGGAGAGGAATACGTGAGGAAGAAGGAGAGGAATAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR202095 representing NM\_022298  
 Red=Cloning site Green=Tags(s)

MRECISIHVQAGVQIGNACWELYLEHGIQPDGQMPQSDKTIGGGDDSFNTFFSETGAGKHVPRAVFDL  
 EPTVIDEVRTGTYRQLFHPEQLITGKEDAANNYARGHYTIGKEIIDLVLDRIKRLADQCTGLQGFLVFHS  
 FGGGTGSGFTSLLMERLSVDYGGKSKLEFSIYPAPQVSTAVVEPYNSILTHTTLEHSDCAFMDNEAIY  
 DICRRNLDIERPTYTNLNLIGQIVSSITASLRFDGALNVDLTFQTNLVPYPRIFPLATYAPVISA  
 AYHEQLSVAEITNACFEPANQMVKCDPRHGKYMCCLLYRGDVVPKDVNAAIATIKTKRTIQFVDCPTG  
 FKVGINYQPPTVVPGGDLAKVQRAVCMLSNNTTAAEAWARLDHKFDLMAKRAVHWYVVEGMEEGEFSE  
 AREDMAALEKDYEEVGVDSVEGEGEEYVRKKERN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq Size:</b>	1617 bp
<b>RefSeq ORF:</b>	1356 bp
<b>Locus ID:</b>	64158
<b>UniProt ID:</b>	<a href="#">P68370</a>
<b>Cytogenetics:</b>	7q36
<b>MW:</b>	50.1 kDa
<b>Gene Summary:</b>	forms heterodimers with beta-tubulin; acts as a structural component of the microtubule cytoskeleton; plays a role in microtubule-based processes [RGD, Feb 2006]