

## Product datasheet for RN205066

### Tuba8 (NM\_001024339) Rat Untagged Clone

#### Product data:

|                      |  |
|----------------------|--|
| Product Type:        | Expression Plasmids  |
| Product Name:        | Tuba8 (NM_001024339) Rat Untagged Clone  |
| Tag:                 | Tag Free   |
| Symbol:              | Tuba8  |
| Vector:              | pCMV6-Entry (PS100001)   |
| E. coli Selection:   | Kanamycin (25 ug/mL)   |
| Cell Selection:      | Neomycin   |
| Fully Sequenced ORF: | >RN205066 representing NM_001024339<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGGAATGCATATCAGTCCATGTGGTCAAGCGGGAGTTCAGATTGGCAATGCCTGCTGGGAGCTCT  
TCTGTTTGGAGCATGGTATCCAGGCGGATGGGACCTTTGGCACTCAGGCCAGCAAGATCAACGACGACGA  
CTCCTTACCACATTTTTAGTGAGACTGGCAACGGAAAACATGTCCCCGGGCTGTCATGGTGGACCTG  
GAGCCTACAGTAGTAGACGAGGTGCGGGCAGGGACCTACCGCCAGCTCTCCACCCTGAGCAGCTGATCA  
CAGGGAAGGAGGATGCAGCTAACAAATTACGCCCGGACACTATACGGTGGGCAAGGAGAGCATCGATCT  
GGTGTGGACCGGATCCGTAACACTGACTGATGCCTGCTCCGGCTTGCAGGGTTTCTGATCTCCACAGT  
TTTGGTGGGGCACAGGCTCTGGCTTCACTTCTGCTGATGGAACGCCTTTCTCTTGATTATGGCAAGA  
AGTCCAAGCTAGAATTTGCCATCTACCCAGCCCCACAGGTCTCCACAGCAGTGGTGGAGCCCTATAACTC  
CATCTGACCACCCATACCACTCTGGAACACTCTGATTGTGCTTTCATGGTGGACAATGAAGCCATCTAC  
GACATCTGCCGAGGAACCTGGATATTGAGCGCCCCACCTATACCAACCTCAACCGCCTCATCAGCCAGA  
TTGTCTCTCCATCACGGCTCTCTCCGCTTGTGATGGAGCCCTCAACGTGGACCTCACAGAGTTCAGAC  
CAACCTGGTACCTACCCCGAATCCACTTCCCGCTGGTCACTTACGCACCCATCGTCTCTGCCGAGAAA  
GCCTACCACGAGCAGCTGTCTGTGGCAGAGATAACCAGCTCTTGCTTCGAGCCCAACAGCCAGATGGTGA  
AATGTGACCCACGTCACGGCAAATACATGGCCTGCTGCATGCTCTACCGTGGTGTGTGGTACCCAAAGGA  
TGTGAATGTGCCATTGCTGCCATCAAGACCAAGAGAATATTAGTTTGTGACTGGTGTCCCACAGGC  
TTCAAGGTGGGCATTAACACCAGCCACTACTGTCTGTCAGGAGGAGACCTGGCCAAAGTCCAGCGAG  
CAGTATGCATGCTGAGCAACACCACAGCAATCGCAGAGGCTGGGCCGCTTGACCATAAGTTCGACCT  
CATGTATGCCAAACGGGCCTTTGTACATTGGTATGTTGGAGAGGGAATGGAAGAAGGAGAATTTTCTGAG  
GCCAGGAGGACCTGGCTGCTCTGGAGAAGGATTATGAAGAAGTGGGACTGATTGCTTTGAAGAAGAAA  
ATGAGGGGGAGGAATTTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                               |   |
|-------------------------------|---|
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>ACCN:</b>                  | NM_001024339  |
| <b>Insert Size:</b>           | 1350 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <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:</b>                | <u><a href="#">NM_001024339.1</a></u> , <u><a href="#">NP_001019510.1</a></u>   |
| <b>RefSeq Size:</b>           | 1478 bp   |
| <b>RefSeq ORF:</b>            | 1350 bp   |
| <b>Locus ID:</b>              | 500377  |
| <b>UniProt ID:</b>            | <u><a href="#">Q6AY56</a></u>   |
| <b>Cytogenetics:</b>          | 4q42  |
| <b>Gene Summary:</b>          | 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]   |