

Product datasheet for **RN203662**

Tuba4a (NM_001007004) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tuba4a (NM_001007004) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tuba4a
Synonyms:	Tuba4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203662 representing NM_001007004
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCGTGAGTGCATTTTCAGTCCATGTGGGCCAGGCAGGTGCCAGATGGGCAATGCCTGCTGGGAGCTCT
ACTGCCTGGAACATGGGATTCAGCCTGATGGGCAGATGCCTAGCGATAAGACCATTGGTGGAGGGATGA
CTCCTTACCACCTTCTTCTGTGAAACTGGAGCTGAAAAACATGTGCCTCGGGCAGTCTTTGTGGATCTG
GAGCCTACTGTAATTGATGAGATCCGAAATGGCCCGTACCGCCAGCTCTCCACCAGAACAGCTTATCA
CTGGGAAGGAAGATGCAGCCAACAATAATGCCCCGTGGTCACTACACCATTGGCAAGGAGATCATCGACCC
AGTGCTGGACCGGATCCGCAAGCTGTCTGATCAGTGTACAGGACTCCAGGGCTTTCTGGTGTCCACAGC
TTTGGAGGAGGCACTGGCTCTGGCTTACCTCTCTGCTGATGGAACGGCTTTCTGTTGACTATGGCAAGA
AGTCCAAGCTGGAGTTCTCCATCTACCCAGCCCCACAAGTGTCCACGGCTGTAGTGGAGCCCTATAACTC
CATCCTGACCACCATAACCACCCTGGAACACTCGGACTGTGCCTTCATGGTGGACAACGAGGCCATTTAT
GACATCTGTGCGCGTAACCTGGATATTGAGCGCCCAACCTATACCAACCTCAACCGCCTCATCAGCCAAA
TTGTCTCCTCCATCACAGCTTCTTGGCCTTTGATGGGGCCCTCAATGTGGACCTGACAGAGTCCAGAC
CAACCTGGTACCCTACCCTCGCATCCACTTCCCCTTGGCTACCTACGCACCAGTCATTTCTGCAGAGAAG
GCCTACCATGAGCAGCTGTCAAGTGGCAGAGATCAACCAATGCCTGTTTTGAGCCTGCCAACAGATGGTGA
AATGTGACCCTCGGCATGGCAAGTACATGGCCTGCTGCCTGTGTACCGGGGAGATGTGGTGCCTCAAGGA
TGTGAACGCTGCCATCGCTGCCATCAAGACGAAGCGCAGCATCCAGTTTGTGGACTGGTGCCTCACAGGC
TTCAAGGTCGGTATCAACTACCAGCTCCACCCGTGGTGCCTGGGGCGACCTGGCCAAGGTGCAGCGTG
CAGTGTGCATGCTGAGCAACACAACCGCCATTGCTGAAGCCTGGGCCCGCCTGGACCACAAGTTTGACTT
GATGTATGCCAAGAGGGCTTTTGTACACTGGTATGTGGGTGAGGGAATGGAGGAGGGGGAGTTCTCCGAG
GCTCGAGAGGATATGGCTGCCCTGGAGAAAGATTATGAGGAAGTAGGCATCGACTCCTATGAGGACGAGG
ATGAGGGAGAAGA**ATAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001007004

Insert Size: 1347 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_001007004.1](#), [NP_001007005.1](#)
RefSeq Size: 1477 bp
RefSeq ORF: 1347 bp
Locus ID: 316531
UniProt ID: [Q5XIF6](#)
Cytogenetics: 9q33
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 (By similarity).[UniProtKB/Swiss-Prot Function]