

Product datasheet for **RN203612**

Tubb4a (NM_080882) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubb4a (NM_080882) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tubb4a
Synonyms:	Tubb4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203612 representing NM_080882
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATCGGGAAATCGTGCACCTGCAAGCCGGCAATCGGCAACCAGATCGGGCCAAGTTCTGGGAGGTCA
TCAGTGATGAGCATGGCATCGACCCACTGGGACCTATCATGGGACAGTGACCTCCAGCTGGAGAGAAT
TAATGTCTACTACAACGAGGCCACAGGTGAAATTATGTTCCAGAGCCGTGCTGGTTGACCTAGAACCT
GGCACCATGGACTCCGTCGCTCTGGCCCTTTGGCCAGATCTCCGGCCAGACAACCTTTGTGTTGGTC
AATCTGGAGCAGGCAACAACCTGGCCAAGGGTCATTACACTGAGGGCGCAGAGTTAGTGGATGCAGTCT
GGACGTGGTGGCAGGCTGAAAGCTGCGACTGTCTCCAGGGCTCCAGCTCACCCACTCGCTCGGA
GGTGGCACAGGCTCAGGGATGGGACCTTGCTCATCAGCAAGATCCGGGAGGAGTCCCAGACAGGATCA
TGAAACGTTAGCGTAGTGCCATCGCCAAGGTGTCTGACACGGTGGTGAACCCTACAATGCCACACT
GTCTGTGCATCAACTGGTGGAGAACACTGATGAGACCTACTGTATCGACAATGAGGCCTTGTACGACATC
TGCTCCGCACTCTCAAGCTGACCACGCCACCTACGGGGACCTCAACCCTAGTGTCCGCCACCATGA
GTGGGGTGACCACCTGCCTGCGCTTTCCCGCCAGCTCAATGCAGATCTACGCAAGCTGGCTGTGAACAT
GGTGCCGTTCCCGCTCTCCACTTCTTCATGCCAGGATTCGCACCCTTGACCAGCAGGGGCGCCAGCAG
TACCGAGCCCTCACCGTTCTGAGCTGACCCAACAGATGTTTCGATGCTAAGAACATGATGGCCGCGTGCG
ACCCGAGACACGGTCGCTACCTGACCGTGGCTGTCTTCCGAGGACGGATGTCATGAAGGAGGTGGA
CGAGCAGATGCTAAGTGTGACAGCAAGAACAGCAGCTACTTCGTTGAGTGGATCCCCAACACGTCAAG
ACAGCCGTGTGTGACATCCCACCCGAGGCCTGAAGATGGCAGCCACCTTCATCGGCAATAGCACAGCCA
TCCAGGAGCTGTTCAAACGCATCTCAGAGCAGTTCACCGCCATGTTTAGCGCAAGGCCTTCCTGCATTG
GTACACGGGTGAAGGCATGGACGAGATGGAGTTTACGGAAGCAGAGAGCAATATGAACGACCTGGTGTC
GAGTACCAGCAGTATCAGGATGCCACGGCTGAAGAGGGCGAGTTCGAAGAGGAGGCCGAAGAGGAGGTGG
CTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_080882

Insert Size: 1335 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_080882.1](#), [NP_543158.1](#)
RefSeq Size: 2086 bp
RefSeq ORF: 1335 bp
Locus ID: 29213
Cytogenetics: 9q12
Gene Summary: human homolog is a subunit of microtubules which is abundant in developing brain [RGD, Feb 2006]