

Product datasheet for **MC215973**

Tuba4a (NM_009447) Mouse Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Tuba4a (NM_009447) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Tuba4a |
| Synonyms: | M[a]4; Tuba4 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC215973 representing NM_009447
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCGCGAGTGCATTTTCAGTCCATGTGGGGCAGGCAGGTGCCAGATGGGCAATGCCTGCTGGGAGCTCT
ACTGTCTGGAACATGGGATTCAGCCTGATGGGCAGATGCCCAGCGATAAGACCATTGGTGGAGGGGACGA
CTCCTTACCACCTTCTTCTGTGAAACTGGAGCTGAAAAACATGTGCCTCGGGCAGTCTTTGTGGACCTG
GAGCCTACTGTAATCGATGAGATCCGAAATGGCCATACCGTCAGCTCTTCCACCAGAGCAGCTTATCA
CTGGGAAAGAAGATGCAGCCAACAATATGCCCGTGGTACATTACACCATTGGCAAGGAGATCATCGACCC
AGTGTGGACCGGATCCGCAAGCTGTCTGATCAGTGCACAGGACTTCAGGGCTTCTAGTATTCCACAGC
TTTGGAGGGGGCACCGGCTCTGGCTTACCTCTCTGCTGATGGAGCGGCTTCTGTTGACTATGGCAAAA
AGTCCAAGCTGGAATTCTCCATCTACCCAGCCCCCAAGTGTCCACGGCTGTAGTGGAGCCCTACAACTC
CATCCTGACCACCATACCACCCTGGAACACTCAGACTGTGCCTTCATGGTGGACAACGAAGCCATTTAT
GATATCTGCCCGCGTAACCTAGATATTGAGCGTCCAACCTATACCAACCTCAACCGCCTCATCAGCCAAA
TTGTCTCCTCCATCACAGCTTCTTGGCCTTTGATGGGGCCCTCAATGTGGACCTGACAGAGTTCAGAC
CAACCTGGTGGCCCTACCCTCGCATCCACTTCCCCTTGGCTACCTATGCACCAGTCATTTCTCGAGAGAAG
GCCTACCATGAGCAGCTGTCAAGTGGCAGAGATCAACATGCCTGTTTTGAGCCTGCCAACAGATGGTGA
AATGTGACCCTCGGCACGGCAAGTACATGGCCTGCTGCCTGTGTACCGTGGAGATGTGGTGGCCAAAGA
TGTGAATGCTGCCATAGCTGCCATCAAGACGAAGCGCAGCATCCAGTTTGTGGACTGGTGGCCACAGGC
TTCAAGTTGGCATCAACTACCAACCACCCTGTGGTGCCTGGGGGTGACCTGGCCAAGGTGCAGCGTG
CTGTGTGCATGCTGAGCAACACAACCGCCATTGCTGAAGCCTGGGCCGCTCTGGACCACAAGTTTGACTT
GATGTATGCCAAGAGGGCTTTTGTACACTGGTATGTGGGTGAGGGAATGGAGGAGGGGGAGTTCTCTGAG
GCTCGAGAGGATATGGCTGCCCTGGAAAAAGATTATGAGGAAGTAGGCATCGACTCCTATGAGGACGAGG
ATGAGGGAGAAGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009447

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_009447.4](#), [NP_033473.1](#)

RefSeq Size: 2096 bp

RefSeq ORF: 1347 bp

Locus ID: 22145

UniProt ID: [P68368](#)

Cytogenetics: 1 C4

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. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1).