

Product datasheet for **MR207086**

Tubb4a (NM_009451) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubb4a (NM_009451) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tubb4a
Synonyms:	A1325297; M(beta)4; Tubb; Tubb4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207086 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATCGGGAAATCGTGCACCTGCAAGCCGGTCAATCGGGTAACAGATCGGGGCAAGTTCTGGGAGGTCA
 TCAGTGATGAGCACGGCATCGACCCACTGGGACTATCATGGGACAGTGACCTCCAGCTGGAGAGGAT
 CAATGTCTACTACAATGAGGCCACAGGTGAAACTATGTTCCAGAGCCGTGCTGGTCCGACTGGAACCC
 GGCACCATGGACTCTGTCCGCTCCGGCCCTTTGGCCAGATCTTTCGGCCAGACAACCTTTGTATTTGGTC
 AATCCGGAGCAGGCAACAACCTGGGCCAAGGGTCACTACACCGAGGGCGCGGAGTTAGTGGATGCCGTCT
 GGACGTGGTGCACAAAGAGGGGAAAGCTGCGACTGTCTCAGGGCTTCCAGCTCACCCACTCGCTCGGA
 GGTGGCACCGCTCAGGCATGGGACCTTGCTCATCAGCAAGATCCGAGAGGAGTTTCCAGACAGGATCA
 TGAATACGTTCAGCGTGGTGCCATCACCAAGGTGTCTGACACGGTGGTGGAGCCCTACAATGCCACACT
 GTCTGTGCATCAGCTGGTGGAGAACTGATGAGACCTACTGCATCGACAACGAGGCCTTGTACGACATC
 TGCTTCCGCACGCTCAAGCTGACCACGCCACCTACGGGGACCTCAACCCTCGTGTACGCCACCATGA
 GTGGAGTCAACCTGCCTACGTTTCCCGGCCAGCTCAATGCAGATCTACGCAAGCTGGCTGTGAATAT
 GGTGCCATTTCCCGTCTCCACTTCTTCATGCCAGGATTCGCACCCTTGACCAGCAGGGGACGCCAGCAG
 TACCGGGCCCTCACCGTTCCTGAGCTGACCCAACAGATGTTTCGATGCTAAGAACATGATGGCTGCGTGTG
 ACCCGAGACACGGTTCGCTACCTGACTGTGGCTGCTGTCTTCCGGGACGGATGTCATGAAGGAGGTAGA
 CGAGCAGATGTTAAGTGTGACAGCAAGAACAGCAGTTACTTCGTTGAGTGGATCCCCAACAAATGTCAAG
 ACAGCCGTATGTGACATCCCACCCGGGGCCTGAAGATGGCAGCCACCTTCATCGGCAACAGCACTGCCA
 TCCAGGAGCTGTTCAAGCGCATCTCGGAGCAGTTCACCGCCATGTTTCAGACGCAAGGCCTTCTGCATG
 GTACACGGGCGAAGGCATGGACGAGATGGAGTTTACGGAAGCAGAGAGCAATATGAACGACCTGGTGTCC
 GAGTACCAGCAGTACCAGGATGCCACTGCTGAAGAGGGCGAGTTCGAAGAGGAGGCTGAAGAGGAGGTGG
 CT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207086 protein sequence
 Red=Cloning site Green=Tags(s)

MREIVHLQAGQCQNGIGAKFWEVISDEHGIDPTGTYHGDSLQLERINVYNEATGGNYVPRAVLVDLEP
 GTMDSVRSQPFQIFRPDNFVFGQSGAGNNWAKGHYTEGAELVDAVLDVVRKEAESDCLQGFQLTHSLG
 GGTGSGMGTLLISKIREEFDRIMNTFSVVPSPKVSdTVEPYNATLSVHQLVENTDETYCIDNEALYDI
 CFRTLKLTTPTYGDLNHLVSATMSGVTTCLRFPGQLNADLRKLA VNMVFPRLHFFMPGFAPLTSRGSQQ
 YRALTVPELTQQMFDKNNMAACDPRHGRLTVAAVFRGRMSMKEVDEQMLSVQSKNSSYFVEWIPNNVK
 TAVCDIPRGLKMAATFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEGMDEMEFTEAESNMNDLVS
 EYQYQDATAEEGEFEEEEEEVA

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_009451

ORF Size: 1335 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_009451.4](#)

RefSeq Size: 2246 bp

RefSeq ORF: 1335 bp

Locus ID: 22153

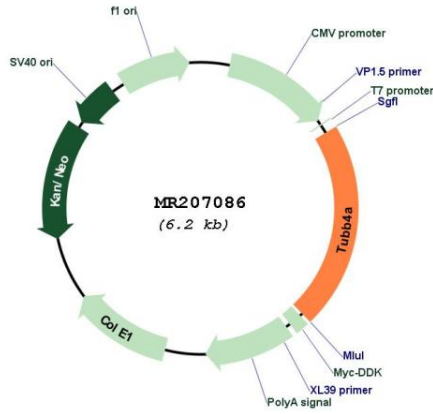
UniProt ID: [Q9D6F9](#)

Cytogenetics: 17 29.66 cM

MW: 49.6 kDa

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]

Product images:



Circular map for MR207086