

## Product datasheet for **MR207177**

### **Tuba3b (NM\_009449) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tuba3b (NM_009449) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tuba3b
Synonyms:	M[a]7; Tuba7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR207177 representing NM\_009449  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGTGAGTGTATCTCTATCCACGTGGGGCAGGCAGGTGCCAGATTGGCAATGCCTGCTGGGAGCTGT  
 ACTGCCTTGAACATGGTATTAGCCTGACGGTCAGATGCCAAGCGACAAAACCATTGGCGCGGGGACGA  
 CTCATTCAACACATTCTTCAGTGAGACTGGAGCCGCAAGCACGTGCCAGGGCAGTGTTTGTGGACCTG  
 GAGCCACTGTGGTCGATGAAGTACGCACCGAACCTACCGCAGCTTTTCCACCCAGAGCAGCTCATCA  
 CTGGGAAGGAAGATGCAGCCAACAATTATGCCAGAGGTCATTATACCATTGGCAAGGAGATTGTTGACCT  
 GGTCTGGACCGGATCCGAAAACCTGGCCGATCTGTGCACGGGACTGCAGGGCTTCTCATCTTCCACAGC  
 TTTGGAGGTGGCACAGGGTCTGGTTCATCGCTGCTGATGGAGCGGCTTTCAGTGGACTATGGCAAGA  
 AGTCCAAGCTGGAGTTTCCATCTACCCAGCCCCCAGGTTTCTACAGCGGTCGTGGAGCCTTACAACCT  
 CATCTGACCACGCACACCACCCTGGAGCATTCCGACTGTGCTTTCATGGTGGATAACGAAGCCATCTAC  
 GACATCTGCCGGCGCAACCTGGATATTGAACGTCCACATACACCAACCTCAACCGTCTGATTGGGCAGA  
 TTGTGTCATCCATCACAGCCTCCCTAAGGTTTCGATGGCGCCCTGAATGTGGACTTAACAGAATCCAGAC  
 CAACCTGGTGCCATACCCTCGCATCCACTTCCACTGGCGACCTATGCCCCAGTCATCTCTGCTGAGAAG  
 GCATACCATGAGCAGCTGTCAAGTACGAGAGATCAACATGCTTGCCTCGAGCCAGCCAATCAGATGGTCA  
 AGTGTGACCCCTCGCCATGGCAAATACATGGCCTGCTGCATGTTGTACCGGGGGATGTGGTTCCAAAGA  
 TGTCAATGCGGCTATTGCCACCAATCAAGACCAAGCGCACCATCCAGTTTGTAGATTGGTGCCCGACTGGA  
 TTTAAGGTGGGTATTAACCTACCAGCCTCTACTGTGGTCCCTGGGGGAGACCTGGCCAAGGTGCAGCGGG  
 CTGTGTGCATGCTGAGCAATACCACGGCCATCGCAGAGGCTGGGCCCGCCTGGACCACAATTTGACCT  
 CATGTACGCCAAGCGGGCTTTGTGCATTGGTACGTGGGAGAAGGCATGGAGGAAGGGGAGTTCTCCGAG  
 GCCCGGGAGGACCTGGCAGCGCTGGAGAAGGACTATGAAGAGGTGGGCGTGGATTCCGTGGAAGCAGAGG  
 CAGAAGAAGGGGAGGAGTAC

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207177 representing NM\_009449  
 Red=Cloning site Green=Tags(s)

MRECISIHVQAGVQIGNACWELYLEHGIQPDGQMPQSDKTIGGGDDSFNTFFSETGAGKHVPRAVFVDL  
 EPTVVDEVRTGTYRQLFHPEQLITGKEDAANNYARGHYTIGKEIVDLVLDRIKRLADLCTGLQGFLIFHS  
 FGGGTGSGFASLLMERLSVDYGGKSKLEFAIYPAPQVSTAVVEPYNSILTTHTTLEHSDCAFMDNEAIY  
 DICRRNLDIERPTYTNLNLIGQIVSSITASLRFDGALNVDLTEFQTNLVPYPRIFPLATYAPVISAER  
 AYHEQLSVAEITNACFEPANQMVKCDPRHGKYMCCMLYRGDVVPKDVNAAIATIKTKRTIQFVDWCPTG  
 FKVGINYQPPTVVPGGDLAKVQRAVCMLSNNTTAAEAWARLDHKFDLMYAKRAFVHWYVGEEMEEGEFSE  
 AREDLAALAEKDYEEVGVDSVEAEAEEGEEY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9076\\_d07.zip](https://cdn.origene.com/chromatograms/mm9076_d07.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_009449

**ORF Size:** 1350 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\\_009449.3](#), [NP\\_033475.1](#)

**RefSeq Size:** 1573 bp

**RefSeq ORF:** 1353 bp

**Locus ID:** 22147

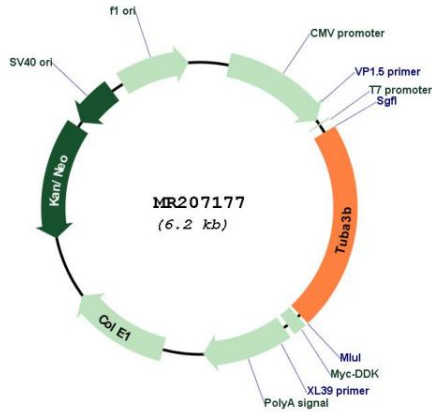
**UniProt ID:** [P05214](#)

**Cytogenetics:** 6 G3

**MW:** 50 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 MR207177