

Product datasheet for **MR207204**

Tuba1b (BC002219) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tuba1b (BC002219) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tuba1b
Synonyms:	Tuba2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207204 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGTGAGTGCATCTCCATCCACGTTGGCCAGGCTGGTTCAGATCGGCAATGCCTGCTGGGAGCTCT
 ACTGCCTGGAACATGGCATCCAGCCTGATGGCCAGATGCCAAGTGACAAGACCATTGGGGGAGGAGATGA
 CTCTTCAACACCTTCTTCAGTGAGACAGGAGCTGGCAAGCATGTGCCCCGGGCAGTGTTTCGTAGACCTG
 GAACCCACGGTCAATCGATGAAGTTCGCACTGGCACCTACCGCCAGCTCTTCCATCCTGAGCAGCTCATCA
 CAGGCAAGGAGGATGCTGCCAATAACTATGCCCGTGGCCACTACACCATTGGCAAGGAGATCATTGACCT
 TGTCTGGACAGGATTCGCAAGCTGGCTGACCAGTGCACGGGTCTCCAGGGCTTCTTGGTTTTCCACAGC
 TTTGGCGGGGAACTGGCTCTGGCTTACCTCCCTGCTGATGGAGCGGCTCTCTGTGGATTACGAAAGA
 AGTCCAAGCTGGAGTTCTCCATTTACCCAGCCCCCAGGTTTCCACTGCTGTGGTTGAGCCCTACAATTC
 CATCCTCACCACCACACCACCCTGGAGCACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTAT
 GACATCTGTCGTAGAAACCTCGACATTGAGCGCCAACCTACACCAACCTTAACCGCCTTATTAGCCAGA
 TTGTGTCTTCCATCACTGCTTCCCTCAGATTTGATGGGGCCCTGAATGTTGATCTGACAGAATCCAGAC
 CAACCTGGTACCCTACCCTCGCATCCACTTCCCTCTGGCCACTTATGCCCTGTCATCTCTGCTGAGAAA
 GCCTACCATGAGCAGCTTCTGTAGCAGAGATCAACATGCCTGCTTTGAGCCAGCCAACCATGAGTGA
 AATGTGACCCCTCGCCATGGTAAATACATGGCTTGTGCTGCTATACCGTGGTGTGTTCCCAAAGA
 TGTCAATGCTGCCATTGCCACCAATCAAGACCAAGCGCAGCATCCAGTTTGTAGACTGGTCCCCACTGGC
 TTCAAGTTGGCATTAAATACCAGCCTCCACTGTGGTACCCGGTGGTACCTGGCCAAGGTGCAGAGAG
 CTGTGTGCATGCTGAGCAACACCACAGCCATTGCTGAGGCTGGGCTCGCCTAGATCACAAGTTTGATG
 GATGATGCCAAGCGTGCCTTTGTGCACTGGTATGTGGGTGAGGCATGGAGGAGGGTGAATTTCTGAG
 GCCCGTAGGACATGGCTGCCCTAGAGAAGGATTATGAGGAGGTTGGTGTGGATTCTGTGAAGCGGAGG
 GGGAGGAAGAAGGAGAGGAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207204 protein sequence
 Red=Cloning site Green=Tags(s)

MRECISIHVQAGVQIGNACWELCYLEHGIQPDGQMPQSDKTIGGGDDSFNTFFSETGAGKHVPRAVFVDL
 EPTVIDEVRTGTQRQLFHPEQLITGKEDAANNYARGHYTIGKEIDLVLDRIRKLADQCTGLQGLVFHS
 FGGGTGSGFTSLLMERLSVDYGGKSKLEFSIYPAPQVSTAVVEPYNSILTTHTTLEHSDCAFMDNEAIY
 DICRRNLDIERPTYTNLNRLLISQIVSSITASLRFDGALNVDLTFQTNLVPYPRIFPLATYAPVISA
 AYHEQLSVAEITNACFEPANQMVKCDPRHGKYMCCLLYRGDVPKDVNAAIATIKTKRSIQFVDWCPTG
 FKVGINYQPPTVVPGGDLAKVQRAVCMLSNNTTAAEAWARLDHKFDLMAKRAFVHWYVGEEMEEGEFSE
 AREDMAALEKDYEEVGVDSVEGEGEEGEEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC002219

ORF Size: 1353 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: [BC002219](#), [AAH02219](#)

RefSeq Size: 1616 bp

RefSeq ORF: 1355 bp

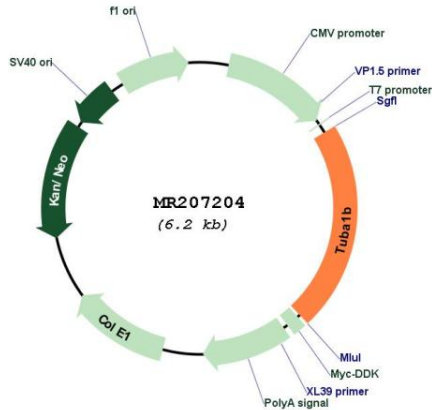
Locus ID: 22143

Cytogenetics: 15 F1

MW: 50.2 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 MR207204