

Product datasheet for **MR207166**

Tuba1c (NM_009448) Mouse Tagged ORF Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Tuba1c (NM_009448) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Tuba1c |
| Synonyms: | M[a]6; Tuba6 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>MR207166 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGTGAGTGCATCTCCATCCACGTTGGCCAGGCTGGTTCAGATCGGCAATGCCTGCTGGGAGCTCT
 ACTGCCTGGAACATGGCATCCAGCCTGATGGCCAGATGCCAAGTGACAAGACCATTGGGGGAGGAGATGA
 CTCTTCAACACCTTCTTCAGTGAGACAGGAGCTGGCAAGCATGTGCCCCGGGCAGTGTTTCGTAGACCTG
 GAACCCACGGTCAATCGATGAAGTTCGCACCGGCACCTACCGCCAGCTCTTCCATCCTGAGCAGCTCATCA
 CAGGCAAGGAGGATGCTGCCAATAACTATGCCCGTGGCCACTACACCATTGGCAAGGAGATCATTGACCT
 TGTCTGGACAGGATTCGCAAGCTGGCTGACCAGTGCACGGGTCTCCAGGGCTTCTTGGTTTTCCACAGC
 TTTGGTGGGGAACTGGCTCTGGCTTACCTCCCTGCTGATGGAGCGGCTCTCTGTGGATTACGGAAAGA
 AGTCCAAGCTGGAGTTCTCCATTTACCCAGCCCCCAGGTTTCCACTGCTGTGGTTGAGCCCTACAATTC
 CATCCTCACCACCACACCACCCTGGAGCACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTAT
 GACATCTGTCGTAGAAACCTCGACATTGAGCGCCCAACCTACACCAACCTTAACCGCCTTATTAGCCAGA
 TTGTGTCTTCCATCACTGCTTCCCTCAGATTTGATGGGGCCCTGAATGTTGATCTGACAGAATCCAGAC
 CAACCTGGTACCCTACCCTCGCATCCACTTCCCTCTGGCCACTTATGCCCTGTCATCTCTGCTGAGAAA
 GCCTACCATGAGCAGCTTACAGTAGCAGAGATCAACATGCCTGCTTTGAGCCAGCCAACCATGAGTGA
 AATGTGACCCTCGCCATGGTAAATACATGGCTTGTGCTGCTGTACCGTGGTGTGTTCCCAAAGA
 TGTCAATGCTGCCATTGCCACCATCAAGACCAAGCGTACCATCCAGTTTGTGGACTGGTGGCCCACTGGC
 TTCAAGTTGGCATTAACTACCAGCCTCCACTGTGGTACCCGGTGGTACCTGGCCAAGGTGCAGAGAG
 CTGTGTGCATGCTGAGCAACACCACAGCATTGCTGAGGCTGGGCTCGCCTAGATCACAAGTTTGATCT
 GATGTATGCCAAGCGTGCCTTTGTGCACTGGTATGTGGGTGAGGCATGGAGGAGGTGAGTTCTCTGAG
 GCCCGTAGGACATGGCTGCCCTAGAGAAGGATTATGAGGAGGTTGGGGCAGATAGTCTGAAGGAGACG
 ATGAGGGTGAGGAATAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207166 protein sequence
 Red=Cloning site Green=Tags(s)

MRECISIHVQAGVQIGNACWELYCLEHGIQPDGQMP SDKTIGGGD DSFN TFFSETGAGKHVPRAVFVDL
 EPTVIDEVRTGT YRQLFHPEQLITGKEDAANNYARGHYTIGKEIIDLVLD RIRKLADQCTGLQGFLVFHS
 FGGGTGSGFTSLLMERLSVDYGGKSKLEFSIYPAPQVSTAVVEPYNSILTHTTLEHSDCAFMDNEAIY
 DICRRNLDIERPTYTNLNRLISQIVSSITASLRFDGALNVDL TEFQTNLVPYPRIFPLATYAPVISA EK
 AYHEQLTVAEITNACFEPANQMVKCDPRHGKYMACLLYRGDVVPKDVNAAIATIKTKRTIQFVDWCPTG
 FKVGINYQPPTVVPGGDLAKVQRAVCM LSNTTAIAEAWARLDHKFDL MYAKRA FVHWYVGE GMEEGEFSE
 AREDMAALEKDYEEV GADSAEGDDEGEEY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

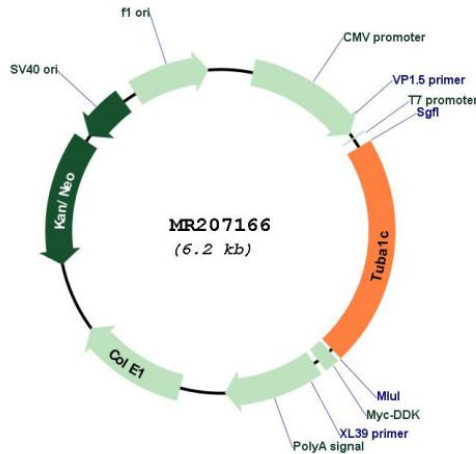
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009448

ORF Size: 1347 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_009448.4](#), [NP_033474.1](#)

RefSeq Size: 1977 bp

RefSeq ORF: 1350 bp

Locus ID: 22146

UniProt ID: [P68373](#)

Cytogenetics: 15 F1

MW: 49.9 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]