

Product datasheet for **MR207083**

Tubb5 (NM_011655) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubb5 (NM_011655) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tubb5
Synonyms:	AA408537; AI596182; B130022C14Rik; M(beta)5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207083 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGAAATCGTGCACATCCAGGCCGACAGTGTGGCAACCAGATCGGTGCTAAGTTCTGGGAGGTGA
 TAAGCGATGAACATGGCATCGACCCACCGGTACCTACCACGGTGACAGCGACCTGCAGCTGGACCGAAT
 CTCTGTGTACTATAATGAAGCCACAGGTGGCAAGTATGTCCTCGAGCTATCTTGGTGGATCTAGAACC
 GGGACTATGGACTCCGTTTCGCTCAGGTCCTTTGGCCAGATCTTCAGACCAGACAACCTCGTTTTCGGT
 AGTCTGGGGCAGGCAACAACCTGGGCTAAAGGCCACTACACAGAGGGAGCTGAGTTGGTTGACTCTGTCTT
 GGATGTGGTGGGAAGGAGGCGGAGAGCTGTGATTGCCTGCAAGGCTTTCAGCTGACCCACTCACTGGGT
 GGAGGCACTGGCTCTGGCATGGCACCCCTGCTCATCAGCAAGATCCGGGAAGAATATCTGACCGTATCA
 TGAATACCTTCAGTGTGGTGCCTCGCCAAAGTGTCTGATACCGTGGTCGAGCCCTACAATGCCACCT
 GTCTGTCCATCAGTTGGTTGAGAACACGGATGAGACCTACTGCATCGACAACGAGGCCCTCTACGACATC
 TGCTTCGGTACCCTCAAGCTCACCACGCCAACCTACGGAGACCTGAACCATCTCGTCTCGGCCACCATGA
 GCGGCGTACCACCTGCCTCCGTTTCCCGGCCAGCTTAACTGCTGACCTTCGAAAGCTGGCTGTCAACAT
 GGTGCCATTTCCACGTCTCCACTTCTTCATGCCTGGCTTTGCCCTCTCACCCAGCCGTGGAAGCCAGCAG
 TACCGGGCCCTCACTGTGCCTGAACTTACCAGCAGGTCTTCGATGCCAAGAACATGATGGCCGCCTGCC
 ACCCGGCCACCGCCGGTACCTCACAGTTGCCGCCGTCTCCGTGGACGGATGTCATGAAGGAGGTGGA
 TGAGCAGATGCTCAACGTGCAGAACAAGAATAGCAGCTACTTCGTGGAATGGATCCCCAACAAATGTCAAG
 ACAGCTGTCTGTGACATCCCACCAGTGGCCTCAAGATGGCAGTACCTTCATTGGAAACAGCACAGCCA
 TCCAGGAGCTCTCAAGCGCATCTCTGAGCAGTTTACGGCTATGTTCCGCCGAAGGCTTTCCTCCACTG
 GTATACGGGTGAGGGCATGGACGAGATGGAGTTTACCGAAGCTGAGAGCAACATGAACGACCTCGTCTCT
 GAGTACCAGCAGTACCAGGATGCCACCGCGGAAGAGGAAGAGGATTTCCGAGAGGAGGCAGAAGAGGAGG
 CC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207083 protein sequence
 Red=Cloning site Green=Tags(s)

MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPTGTYHGDSLQLDRISVYNEATGGKYVPRAILVDLEP
 GTMDSVRSQPFQIFRPDNFVFGQSGAGNNWAKGHYTEGAELVDSVLDVVRKEAESDCLQGFQLTHSLG
 GGTGSGMGTLLISKIREEYPDRIMNTFSVVPSPKVSdTVEPYNATLSVHQLVENTDETYCIDNEALYDI
 CFRTLKLTPTTYGDLNHLVSATMSGVTTCLRFPGQLNADLRKLA VNMVFPRLHFFMPGFAPLTSRGSQQ
 YRALTVPELTQQVFDANKMMAACDPRHGRLTVAAVFRGRMSMKEVDEQMLNVQNKNSYFVEWIPNNVK
 TAVCDIPRGLKMAVTFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEGMDEMEFTEAESNMNDLVS
 EYQYQDATAEEEEEDFGEEAEEEE

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_011655

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_011655.2](#)

RefSeq Size: 2645 bp

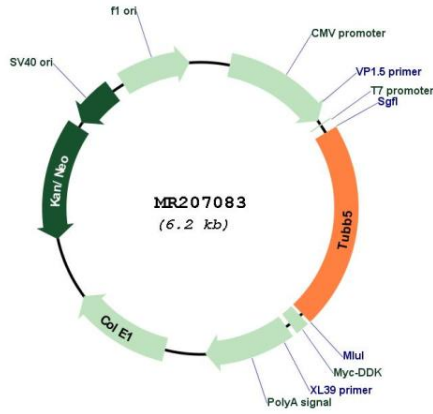
RefSeq ORF: 1335 bp

Locus ID: 22154

UniProt ID: [P99024](#)

Cytogenetics: 17 B1
MW: 49.7 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 MR207083