

Product datasheet for **MR217701**

Tubal3 (NM_001033879) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubal3 (NM_001033879) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tubal3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217701 representing NM_001033879
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGGAGTGTCTCTCCATTACATTGGTCAAGCTGGTTCAGATCGGGGATGCTTGCTGGAACTGT
 ATTGCCTGGAACATGGGATCCAGCCAGATGGCTTTATTCTGGACCATCAACATGATAATTTGGAAAATCC
 TAAAGTGAACATATGAATGCATCTTTAGATACCTTCTTTTCATGAGACAAGAGCTGGGAAGCATGTGCC
 AGAACACTTTTTCATGGACCTAGAACCACTGTTATAGATGGGATCCGTGTGGGGAGTACCACTCACTCT
 TCCACCCAGAACAACCTTGTGAATGGAAAGGAGGATGCTGCCAACACCTACGCACGAGGTCTGACTCTGT
 GGGTTCAGAGGTCATCGAGCTTGTCTAGAAAGGATCCGGAAGCTGGCAGAACATGCAGTGGACTTCAG
 GGATTTTTGATTTACCGAAGCTTTGGAGGAGGCACAGGGTCGGGATTTACATCTCTCTTGTGGAGCGAC
 TCTCCGTAGAGTATTGCAAGAAGATAAAAATTGGAGTCTCTGTCTACCCATCTCCTAGGATCTCCACTGC
 CGTGGTAGAACCGTACAATGCCATCCTCACCACCTCACTCCACCATAGAATACTCAGATTGTCTTTTCATG
 GTGGACAATGAGGCTCTGTACGACATCTGCCAGCAAACTTGGCATTGAACGTCCTTCCATGCTAGTA
 TCAACAGGCTGATTGCTCAGGTGCTGCTTCCATCACTGCATCACTGCGTTTTGAAGGACCTTTGAATGT
 AGACTTAATTGAATCCAGACCAACCTAGTACCTTATCCAAGAATCCATTTCCCATCACAGCTCTTGCC
 CCCATCATCTCCGCTGAAAAGGCGTACCAAGAGCAGCTCTCTGTGTCTGACGTCAGTCTTCTTGCTTTG
 AGGTCTCCAACCAAGTGGTCAAGTGTGATCCCAGGCTTGGGAAGTACATGGCTTGTCTTACTGTACAG
 AGGAGATGTGGTCCCTAAGGATGTAATGAAGCAATTGCACCCATGAAATCTAGGACCTCTGTTCAGTTT
 GTTGATTGGTGTCCAACCTGGTTTCAAGGTGGGCATCAATTATCAGCCACCTGCAGTGGTACCAGGAGGG
 ATCTAGCTAGGGTTCAGCGTGTGTGTCATGTTGAGCAACACCACAGCAATTGTGGAAGCCTGGGCCCG
 CCTGGACCACAAAATTTGACCTCATGTATGCCAAGAAGGCATTCTGCAGTGGTACATCACAGAAGGCATG
 GAGCTTGGGGAGTTGTAGAGGCCAGGAAGATCTGGCTGCTCTGGAAAAAGATTATGAAGAAGTGGGTC
 TGAGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217701 representing NM_001033879
 Red=Cloning site Green=Tags(s)

MRECLSIHIGQAGVQIGDACWEL YCLEHGIQPDGFILDHQHDNLENPKVEHMNASLDTFFHETRAGKHVP
 RTL FMDLEPTVIDGIRVGRYHSLFHPEQLVNGKEDAANTYARGRYSVGSEVIELVLERIRKLAEQCSGLQ
 GFLIYRSFGGGTSGSFTSLLMERLSVEYCKKIKLEFSVYSPRISTAVVEPYNAILTTHSTIEYSDCAF
 VDNEALYDICQHKLGIERPSYASINRLIAQVSSSITASLRFEGPLNVDLIEFQTNLVPYPRIHFPITALA
 PII SAEKAYQEQLSVSDVTASCFEVSNQLVKCDPRLGKYMACL L YRGDVVPKDVNEAIAAMKSR TSVQF
 VDWCPTGFKVGINYQPPAVVPGDLARVQRAVCMLSNNTTAIVEAWARLDHKFDL MYAKKAF LHWYITEGM
 ELGEFVEAREDLAALEKDYEEVGLSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9065_b06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001033879

ORF Size: 1338 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_001033879.3](#), [NP_001029051.2](#)

RefSeq Size: 3122 bp

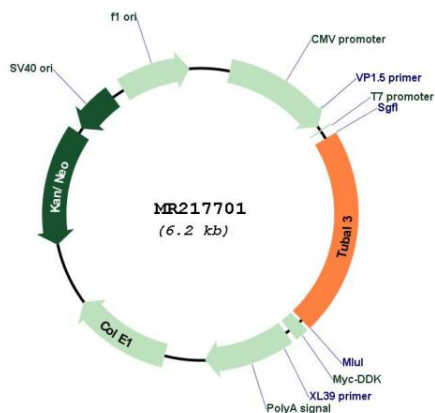
RefSeq ORF: 1341 bp

Locus ID: 238463

UniProt ID: [Q3UX10](#)

Cytogenetics: 13 A1
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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217701