

Product datasheet for **MR207207**

Tubg1 (NM_134024) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubg1 (NM_134024) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tubg1
Synonyms:	1500010O08Rik; AI451582; AI503389; Tubg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207207 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGAGAGAAATCATCACCTACAGTTGGGCCAGTGGCACAATCAGATTGGGTTGCGATTCTGGAAAC
 AGCTATGTGCCGAGCATGGCATCAGTCCCGAGGGCATCGTAGAAGAGTTCGCCACGGAGGGCACTGACCG
 AAAGGACGTCTTTTTCTACCAGGCAGATGATGAGCACTACATCCCCGGGCTGTGCTGCTGGACCTGGAG
 CCCCAGGATCCATTCCATCCTAAACTCCTCCTATGCTAAGCTCTACAACCCGGAGAACATCTACCTGT
 CGGAGCATGGCGGAGGAGCTGGCAACAAGTGGCCAGCGGATTCTCCAGGGAGAAAAATCCACGAGGA
 CTTTTTTGACATCATAGATCGGGAGGCAGATGGCAGTGACAGTCTAGAGGGATTTGACTGTGTCATTCC
 ATTGCTGGGGGGACAGGCTCTGGCTTGGGCTCCTACCTCCTGGAACGGCTAAATGACAGGTACCCAAAA
 AACTAGTGCAGACATACTCTGTGTTCCCAACCAGGATGAGATGAGTGACGTGGTGGTCCAACCCTACAA
 CTCCTCCTCACACTAAGAGGCTGACCCAGAACGCGGACTGTGTGGTGGTGTGGACAACACGGCCCTG
 AACCTGATAGCCACAGACCGCCTACACATCCAGAACCCATCCTTCTCCAGATCAACCAGCTGGTGTCCA
 CCATCATGTACGCCAGCACCACCACCTGCGCTACCCTGGATACATGAACAATGACCTCATCGGCCCTCAT
 CGCCTCGCTCATTCCCACCCCTCGGCTCCACTTCTCATGACTGGCTACACCCCCCTCACACGAGCCAG
 TCAGTGGCCAGTGTGAGGAAGACAACAGTCTGGATGTCATGAGGCGCCTGTACAGCCCAAGAATGTGA
 TGGTGTCCACAGGCCGGGATCGTCAGACCAACCACTGCTACATCGCCATTCTCAACATCATCCAGGGAGA
 GGTGGACCCACCCAGGTCACAAGAGCCTGCAGAGGATCCGGGAAAGGAAAAGTGGCCAACCTTATCCCC
 TGGGGCCAGCCAGCATCCAGGTGGCCCTGTCAAGGAAGTCTCCCTACCTGCCCTCAGCCACCGGGTCA
 CGGGCTCATGATGGCCAACCACACAGTATCTCCTCGCTCTTGAACGGACCTGTGCGCCAGTTTGACAA
 GCTGCGGAAACGGGAGGCTTTCATGGAACAGTCCGCAAGGAGGACATCTCAAGGACAATTTTGACGAG
 ATGGACACCTCCAGGAGATTGTGCAGCAGCTGATTGACGAGTACCACGCGGCCACACGGCCAGACTACA
 TCTCCTGGGGCACCCAGGAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207207 protein sequence
 Red=Cloning site Green=Tags(s)

MPREIITLQLGQCGNQIGFEFWKQLCAEHGISPEGIVEEFATEGTRKDVFFYQADDEHYIPRAVLLDLE
 PRVIHLSILNSSYAKLYNPENIYLSEHGGGAGNNWASGFSQGEKIHEIDIFDIIDREADGSDSLEGLVCHS
 IAGGTGSLGSLYLLERLNDRYPKKLVTYSVFPNQDEMSDVVVQPYNLLTLKRLTQNADCVVLDNTAL
 NLIATDRLHIQNPSFSQINQLVSTIMSASTTLRYPGYMNNDLIGLIASLIPTPRLHFLMTGYTPLTTDQ
 SVASVRKTTVLDVMRLLQPKNMVSTGRDRQTNHCYIAILNIIQGEVDPTQVHKSLQRIRERKLANFIP
 WGPASIQVALSRKSPYLP SAHRVSGLMANHTSISL FERTCRQFDKLRKREAFMEQFRKEDIFKDNFDE
 MDSREIVQQLIDEYHAATRPDYISWGTQEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_134024

ORF Size: 1356 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_134024.1](#)

RefSeq Size: 1609 bp

RefSeq ORF: 1356 bp

Locus ID: 103733

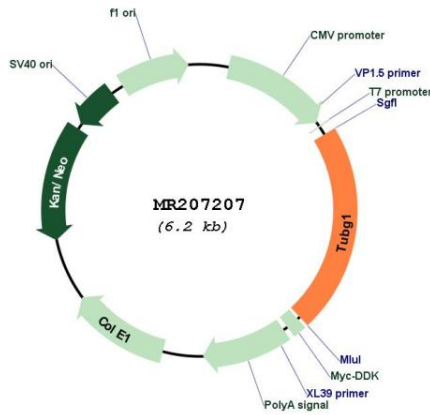
UniProt ID: [P83887](#)

Cytogenetics: 11 64.24 cM

MW: 51.1 kDa

Gene Summary: Tubulin is the major constituent of microtubules. The gamma chain is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome. Pericentriolar matrix component that regulates alpha/beta chain minus-end nucleation, centrosome duplication and spindle formation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207207