

Product datasheet for **MR207203**

Tubg2 (NM_134028) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubg2 (NM_134028) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tubg2
Synonyms:	A1504772; Tubg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207203 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGGGAGATCATCACCTGCAGCTGGGCCAGTGCGGCAACCAGATTGGGTTTCGAGTTCTGGAAAC
 AGCTGTGTGCTGAACATGGAATCAGCCCGAGGGCATCGTAGAGGAGTTCGCCACCAGGGCACTGACCG
 AAAGGATGTCTTTTTCTACCAGGCAGATGATGAGCACTACATCCCCGGGCTGTGCTGCTGGACCTGGAG
 CCCCAGGATCCATTCCATCCTCAACTCCTCCTATGCTAAGCTCTACAACCCGGAGAACATCTACCTGT
 CGGAGCATGGCGGAGGAGCTGGCAACAAGTGGGGCAGAGGATTCTCCAGGGTGAGAAAATTCACGAGGA
 CATCTTTGACATTATAGACCGAGAAGCAGATGGAAGTGACAGTCTAGAGGGATTTGTGCTATGCTACTCC
 ATTGCTGGGGGACAGGTTCTGGTCTGGGCTCCTACCTCTTAGAGCGACTGAACGACAGGTACCCCAAGA
 AATTGGTGACAGATACTCAGTGTTCACAACCCAGGACGAGATGAGTGATGTAGTGGTCCAGCCCTACAA
 CTCCTCCTCACACTAAGAGGCTGACCCAGAATGCGGACTGCGTGGTGGTGGTGGACAACACAGCCCTG
 AACCGGATCGCCACAGACCGCCTACACATCCAGAACCCATCCTTCTCCAGATCAACCAGCTGGTGTCCA
 CCATCATGTACAGCCAGCACCACCACCCTGCGCTACCCTGGATACATGAACAATGACCTCATCGGCCCTCAT
 CGCCTCGCTCATTCCCACCCCTCGGCTCCACTTCTCATGACTGGCTACACCCCCCTCACACGAGCCAG
 TCAGTGGCCAGTGTGAGGAAGACAACAGTCTGGATGTCATGAGGCGCCTGCTACAGCCCAAGAATGTGA
 TGGTGTCCACAGGTCGGGATCGTCAGACCAACCACTGCTACATCGCCATCCTCAACATCATCCAGGGAGA
 GGTAGACCCACCCAGGTCACAAGAGCCTGCAGAGGATCCGGGAAAGGAAAAGTGGCCAACCTTATTCCC
 TGGGGCCAGCCAGCATCCAGTGGCCCTGTCAAGGAAGTCTCCCTACCTGCCCTCAGCCACCCGGGTCA
 CGGGCTCATGATGGCCAACACACAGTATCTCCTCGTTTTTGAAGTCTCCTGCCAGCATATGACAA
 ACTGTGGAAGCGGGGGCCCTTCTGGAACAGTTTCGCAAGGAGGACATCTCAAGGACAACCTTTGAGGAG
 ATGCACAGATCGAGGGAGGTGGTGCAGGAACCTATTGACGAGTACCACGCGGCCACCCGGCCGACTACA
 TCTCCTGGGTACCCAGGAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207203 protein sequence
 Red=Cloning site Green=Tags(s)

MPREIITLQLGQCGNQIGFEFWKQLCAEHGISPEGIVEEFATEGTRKDVFFYQADDEHYIPRAVLLDLE
 PRVIHSLNSSYAKLYNPENIYLSEHGGAGNNWGRGFSQGEKIHEDIFDIIDREADGSDSLEGLVCHS
 IAGGTGSLGSLYLLERLNDRYPKKLVTYSVFPNQDEMSDVVVQPYNLLTLKRLTQNAACVVLDNTAL
 NRIATDRLHIQNPFSQINQLVSTIMSASTTLRYPGYMNNDLIGLIASLIPTPRLHFLMTGYTPLTTDQ
 SVASVRKTTVLDMRRLLOPKNVMVSTGRDRQTNHCYIAILNIIQGEVDPQVHKSLQRIRERKLANFIP
 WGPASIQVALSRKSPYLPASHRVSGLMANHTSISLFESSCQQYDKLWKRGAFLQFRKEDIFKDNFEE
 MHRREVVQELIDEYHAATRPDYISWGTQEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_134028

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_134028.2](#)

RefSeq Size: 1777 bp

RefSeq ORF: 1356 bp

Locus ID: 103768

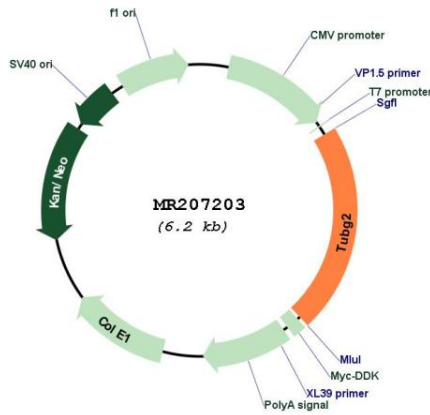
UniProt ID: [Q8VCK3](#)

Cytogenetics: 11 D

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 MR207203