

## Product datasheet for **MC228915**

### Tubgcp2 (NM\_001286009) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tubgcp2 (NM_001286009) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tubgcp2
Synonyms:	1700022B05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228915 representing NM\_001286009  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCGAATTTTCGGATTACCATGATGTCAATGAGCTGCTCAGCCTGCTCCGCATCCATGGCGGGGATG  
 GGGCTGAGGTCTACATTGACCTGCTGCAGAAGAACCAGGACGCCGTATGTACAACCACAGCTCTGCCCA  
 CAGTGCCAAGGTCAAATTTGCAGAAATTTCTCGAACTCCTGAGGACTTTTTAAAGAAATATGATGAACTG  
 AAATCTAAAAATACAAGGAACCTTGACCCACTGGTGTACCTGTTATCAAACTCACAGAAGACAAAGAGA  
 CACTTCAGTTTTTGAACAGAATGCAAAGGAAAGAGCTGAGCTTGACGCTAGTGTGCAACTAGCAACAC  
 CACCAGCTTCAGCATCCCTGTTGCAGCCTTAAGATGTCCACACAAGAGCTAGAGGAACTGAGGAAGCAG  
 CTTGGCAGTGTATCCACAGGCTCCACACTGCAGCAGTCTCTGGAACCTACAAGAAAGATGCTTCGAGACA  
 AACAGAACAAAAAATTCAGGCCAGCCCCTCCCTGTCTCCAGCATGGGTGTATGAGAGACCAACATT  
 GGCTGGAGATTTCTGATTGGCTCGGGCTTGAGCTCAGACACAGTTTTGCCTATAGTACATTGCCCTTG  
 GCCTCCCAGGAGTCAGCTGTGGTGAAGATCTGCTCTATGTGCTTGTGGGTGTGGATGGCAGGTATATCA  
 CTGCTCAGCCTTTGGCTGGGAGGCAGAACCCTACCTTCCTTGTGACCCCAACCTGGACCTGTCCATCCG  
 GGAGCTAGTAAACAGAATCCTCCCTGTGGCCGCCAGCTACTCTACTGTGACCAGGTTCAATTGAGGAGAAG  
 TCTTCAATTTGAATATGGGAGGTGAACCATGCCCTGGCTGCTGCCATGAGAACCCTAGTAAAGGAATACC  
 TGATTCTGGTCACACAGCTGGAACAGCTGCACAGGCAGGGCCTCCTCTCACTGCAGAAGCTCTGGTTCTA  
 CATCCAGCCAGCCATGCGCACCATCGACATCCTTGCTCCCTTGGCACCTCAGTGGATAAAGGCGAGTGT  
 GTGGGCGGGTCGACACTGAGCCTTCTTCATGATAGGAGCTTCACTACACCGGGACAGCCAGGCGCAGG  
 AGCTGTGCCTCTATCTGACCAAGGCAGCCAGTGCACCTTACTTCGAGATCCTGGAGAAGTGGATCTATAG  
 GGGCATCATTATGACCCATACAGTGAGTTCATGGTGGAGGAACACGAGCTGCGGAAGGAGAAGATCCAG  
 GAGGACTACAACGACAAGTACTGGGACCAGCGCTACACTGTGCTGCCGACGAGATCCCATCCTTCTCTGC  
 AGAAGGTAGCAGGCAAGATCCTCAGCACAGGAAAATACCTAAATGTGGTCAGAGAGTGTGGTCATGATGT  
 CACCTGTCCCAGTACCAAAGAAATCATCTATACCCTTAAAGAGCGGGCATATGTGGAGCAGATAGAGAAA  
 GCGTTCAATATGCCAGCAAAGTGTCTGGACTTCTCATGGAGGAGAAGGAGCTGGTGGCCACCTGA  
 GGTCCATCAAGCGCTACTTCTGATGGACCAGGGGACTTCTTCGTGCATTTTATGGACCTGACTGAGGA  
 GGAGCTCAGGAAGCCAGTGGAGGACATCACTCACACGCTGGAGGCCCTGTTGGAGCTGGCCCTGCGA  
 ATGAGCACTGCCAACACTGACCCCTTCAAAGACGACCTCAAGATTGAACTGATGCCTCACGACCTAATCA  
 CTAGCTTTTGGGGTTCTGGCCATCGAGACCAAGCAGGAAAAGGCAATGACCCATGCTGACCCACGGA  
 GCTCACACTGAGTGGTCTGGAGGCTTCTCTTTGACTACATGGTCAAATGGCCCTGTCACTGATTATT  
 AACAGGAAGGCACTACCCGCTACCAGATGCTCTTCCGACACATGTTCTACTGCAAGCACGTGGAGCGGC  
 AGCTCTGCAGTGTCTGGATCAGCAACAAGACGGCCAAGCAGCATGCACTGCACTCCGCCAAGTGGTTTGC  
 TGGTGTCTTCACTCTGCGGCAGCGAATGCTCAACTTTGTCCAGAATATTCAGTACTACATGATGTTTGAA  
 GTGATGGAACCGACCTGGCACATCCTTGAGAAAAACCTGAAATCTGCCTCCAACATTGACGATGTCTTG  
 GCCACCACACAAGCTTCTTGACAACCTGCTGAAGGACTGCATGCTGACCAACCTGAGCTGCTGAAGGT  
 TTTCTCCAAGCTCATGTCGATGCGTCATGTTACCAACTGTATGCAGGTGAGGACAAGGAGCCGTGG  
 GAGCGTGGGTATGCT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001286009  
**Insert Size:** 2328 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001286009.1, NP_001272938.1</u>
<b>RefSeq Size:</b>	2894 bp
<b>RefSeq ORF:</b>	2328 bp
<b>Locus ID:</b>	74237
<b>Cytogenetics:</b>	7 F4
<b>Gene Summary:</b>	Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 3' UTR and coding region compared to variant 1. The resulting isoform (b) has a shorter and distinct C-terminus compared to isoform a.