

## Product datasheet for **MC224921**

### Tubgcp6 (NM\_001163319) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tubgcp6 (NM\_001163319) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tubgcp6  
**Synonyms:** AI843275; D430023H11; GCP-6; mKIAA1669  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224921 representing NM\_001163319  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCAGCATCACCCAGCTGTTTCGATGACCTCTGCGAGGCTCTTTACCTGCTGCCAAGCTCGCCCCG  
 GCCAGCGCAGTGTGAACAGGAAGAGGGCGAAGCGGAGCCTTAAGAGGGTGGCCTACAATGCCCTTTTCGC  
 AAATCTTTTTCAAGAGGACACCCATCAACGGCAGCCGACTCGTCGAAGCTCCCCGTGAAAAACAAGGTC  
 TCATGCTGTCCCTTCGATTTGAGGGTGGGGGGCTTGGGGCCAGAGGCTGACCGTTTGAGAGGAGCTCGTGG  
 AGAAACTTGAAGCAGCCCTGACTGTCTTTTTGTGGAGGTAGCATCAGTGTGGACCTCTTAGTTACAGT  
 GGCAGGAAGTGGCCCCCTCAAGTGTGCTGCTAGAAAACGGGATTACTTCTTTAACAACAAGCATGCAGGC  
 CGAAACATACCCTACAGCGGCTACGATTGCTATGACTTGAGTGTGTTGAAATGGACGTTCCGGTCATTTA  
 TCTCTGGGGAGGAGAATTTGTGTCATCACACGGTCCAGGAAGCGCTTCAGGTGATGGAGGCTGCCCCAGG  
 CACTGGCCTGCCACCGTTGGGCTCTTCTCAATTGGTACTCTTGTGGTACAGGTTTGAGAGAGACACC  
 AGGGTCTCCCTCTTTGGTGCACCTGTGCATAGCCGCACCTATGACATGGATGTGCGACTGGACCTACCAC  
 CTGTGCCAGACAGCGCGGACTTCTCGGACTAGCCATCAAGTCCCACAGATTGTGGATCAGTGGGAAGA  
 TGAAGGTTTCCAGTCAGCTTCCAATTTAACTCCGACTCCAGTCTGAACCAAGCATGACCCCGATTG  
 GACCTGTGGGAAGCTGTGCTCACATACGAAGCCAGCAAGCGGAGGTGCTGGGAGCGTATTGGATGCCCCC  
 CTGGTCACCGAGAGGAGCCCTACCTCACTGAGGCAGGACGGGATGCCTTTGACAGGTTCTGCAGGCTCCG  
 TCATGGAGAGCTACAGGCCCTCAGTGGGGGCTTCTACAGGCCCGAAGCCTGTGCTGGTGGAGGAAAGC  
 GAGCTGGTGAAGACTCACTGAACGTTCTGCTGGGCGTTGTTTCTGCTACATTTTCCCTGTGTCGGCCGA  
 CTCAAGCCTTTGTAGTGGAGCCGGGTGTGCATGTGTCAGGTGCATCTCCTGAAAGCATCAGCAGCATCCT  
 CTCAGAGGTGGCGGAGTATGGAACCTGTTACACACGGCTGAGCCATTTCTCTGCAACCTGTTGTAGGC  
 TCCTTGTGCAGCAGGGGCTTGTTCAGGCCTTCACCAGCGCCTAAGGAGGTAAGTGCAGTATTACC  
 GTGCCTGTGTGCTCTCCACTCCACCCACCTCAGTCTCCTCACCATTGGCTTTCTCTTCAAGAAGCTGGG  
 CCGGCAGCTCAGGTACTTGGCTGAGCTTTGTGGTGTGGCACTGTATCCCTGGCGACCAGTGGAGAACCC  
 AGGGCTGTGTTCCCACTGGGGTGAAGCTTCTGTCTACCTCTACCAGGAAGCACTGGATAACTGCAGTA



ATGAGCACTATCCCGTTTTGCTGTCCCTCCTGAAGACCAGCTGTGAGCCCTACACACGGTTCATCCACGA  
 TTGGGTGTACAGTGGAGTCTTCAGAGATGTTTATGGGGAGTTCATGATCCAGGTTAACCATGAGTACCTC  
 AGCTTCAGAGACAAGTTTTACTGGACCCATGGCTACGTGCTCATTTCCAAAGAGGTGGAGGACTGTGTT  
 CTGTATTCTTGAAACACATTGCTCATGATGTGTATGTCTGTGGGAAGACCATCAACCTACTGAAGCTCTG  
 CTGTCCCCGGCATTACCTTTGTTGGTCTGATGTCCCTGTCCCTCGGATCTCGGTGATTTTCTCTCTTGAG  
 GAAGTGAAGGAGATTGAGAAGGACTGTGCTGTCTATGTTGGGCGGATGGAGAGATCGCAGCTCATAGCT  
 GTATCAGCAAGGAGGAAAAGGAATTACGTATGGAAATTGCGAAACAAGAAGCTAATTGTCCATGCCCGGGA  
 AGCCCGTCCAGGTCTGAGCGAGTTGAGTGACCGGCAGATGGCAGAACAGATTGCTCAGGACACTCGG  
 AAGCGAGAGCAGTTTCAGCGACTGAAGGAACAGTTTGTGAAGGATCAGGAGCGACGCTGGCAGCCAGAC  
 AAGAAGAGCTAGATGATGACTTCAGCTATGCCCGTGAGCTCCGTGACCGGGAGAAGAGGCTAAAGGCCTT  
 GGAGGAAGAGCTGGAGAGGAAGGCCAGGCAGGCGCTGGTTGACCATTATAGCAAGTTGTCTGCAGAGGCA  
 GCTCGTCGAGAGCAGAAGGCTCTGTGGAGAATCCAGAGGCATAGGCTGGAAAGCGCACGACTTCGTTTTTC  
 TCCTAGAAGACCAGAAGTGCATTAGGAGATGCTGAGAGACATGGAGGCTCAGCAGCCCCAGGAGCCGCC  
 GAGTGTGTTCCCATCCACAGGCTCTCAGGTCACATCTACAGGTCCTGAGCACGCAGGGGAAGGCCATAGC  
 TGTGATCCGGGGTTCACAGAGCTGCATTGGGGTTGTCCAAGCCTACCGTGTGCATCGACACCATCAGTCC  
 CCAAGTCTGCCACAGAGGGAGCTGATGACTCGGGAGCTGGGCCATTCTCGACTGGTCTTAGCATCACAGA  
 CTTTCTGCCCGTGGACTCTGGAGAGGAACAGCCTGTGGAGAACACTGGCGTTCCCTTTTTAGAGGTGGCT  
 CTGCAGACCATCTGCTCAGACCTATCCCCTGTAGCCCCTGAGCCAGCGGCACTCACAGCAGGGGGCCCCC  
 AGGCTACCCAGTCAGAGTATGATTTCAATACCATACTGAGGCCAGCTATGGCTACCTCCCTCTCACCAGG  
 ACCCTTCAGGATGTTTCCAGATAGCGTGGACAGTGACAAACAGCATCTACTGGGGGATATGTCCACAAAA  
 GTAGATTTTATATCCATGATATGCAAGAGACTTTGCCTTGCCACATCCACTCAGTCATGCCACTCCTG  
 TGGAGGGGAGCCTCCAGCCTGTAGGCCAGCTCCTTGAACACATGTCAGAGACTACTGTCTCTACAGAGAG  
 CCATGCTTCTGGGATGGCTCCTTGTGAGCAACTAGCATTTCAGACAGTGTGAGTCAATCAAG  
 GTGGGGGATTATATGTCAGATGTGGCTTCTCCTCGGCCACGGTGAATGTCCATGGCCATGTGTGACAGG  
 CCAGCATTGGAGTTGGGAGAATATGGCCGAAGTGGCTCCTTCTAGGCCACGGTGAATGTCCACGGACA  
 TGTGTCAGATGCCAGCATCAAGATAGGGGAGAATATGTCAGATGTGGCTCCTTCTCGGACACGGTGAAC  
 ATTCATGGGCATGTGTCAGATGCCAGCATCAAGGTAGGGGAGAATGTATCAGATGTGACTCCTTCTCGGC  
 CGCGGTGGAATGTCCACGGGCATGTGTCAGAGGCCAGCATCAAGGTAGGGGAGAATGTATCAGATGTGAC  
 TCCTTCTCGGCCGCGTGAATGTCCACGGGCATGTGTCAGAGGCCAGCATCAAGGTAGGGGAGAATGTA  
 TCAGACGTGACTCCTTCTCGGCCGCGTGAATGTCCACGGGCATGTGTCAGATGCCAGTATTAGGATTG  
 GGGAAAATGTATCAGATACGGATCTTGATCTTCAGCAACGTGGATGTGCCAGCCTCCCTTGATTCTGGA  
 GGAGCCCTTGCCAGAAGCTGAGGCTGACCTCAAGCCCCATCAGTGTCCCCCTGCTCAGTGTCTGAGGCA  
 GTGCTTGGTGTGGAAGCACAGAGCCCTGCTCTAGAATGTGGGCCACAGCTACCTGAAAAAACGAAGCCTA  
 CCGTGTGTTCTGGCTTTGGCAGAACAGAGGAAGGTAGCCTACAGACCAAGACCCTTGTGGCTGAGCCTAG  
 CATGCTGGGAAGTGGCATCCCTGAAGAGAAAGGCCAGGGGAAGAGTAGGGATGCTGAAGACCTTTCTCCA  
 TGTTTGCCTTCAAGCTCACAGGAAGACACAGCTGTCCCCAGCAGCCAGGCCCTAGTGATGAGGTATCAA  
 ACACAGAAGCTGAGGCCAGACGCTGGGGCAAGGAGCAAGCCTATTTGACAGACCTCACAAAATTGTACCA  
 CCTGGAGCAGTACCCGGACAGCTATGATTCATGTGAGAGCCTCCTGTTGCTCACCTGGTCCACCACATG  
 CTTCCCCGGGCCTTTGCTTTCCCTGTTGACCCCAAGTTAGTACAGCAGTACAGCAGAGTGCAGTGCAGC  
 TGAGCGAGCTGCTGACATTGCCTGTGCTTATGAAGCGTTCCCTTATGGCGCCTCTGGCTGCCATGTGAG  
 CCTGGTACAGAAAGCCGAGTTGACTACTTCTTTGTGGAGCTGCACCTGGAGACACACTTTGAGGCACTG  
 CGCCATTTCTGCTGATGGAAGATGGAGAGTTCGCTCAGTCCCTTAGTGACCTGCTCTTTGAGAAGCTAG  
 GGGCTGGGACAGCCTGGAGAGCTGCTCAACCCACTGGTCCCTAACAGCATCCTGAGCAAGGCCCTGCA  
 GTACAGCCTCCACGGGGACACCCCGCATGCTTCCAACCTGTCTTTTGTCTCAAGTACCTGCCTGAGGTG  
 TTTGCCCGAATGCCAGATGTGCTGAGCTGCCTGGAGCTCAGGTACAAGGTGACTGGCCCTCAACA  
 TTGTTATACCGAGAGCTGCCTGAACAAGTACAGTGGCATCTTCTCCTTCTGCTGCAGCTGAAGCTCAT  
 GATGTGGACACTCAAAGACATCTGCTTCCACTCAAGCGCACAGCCCTCGTGAGCCACACGGCTGGCTCA  
 GTGCAGTTCGACAGCTGCAGCTGTTCAAGCATGAGATGCAGCACTTTGTGAAGGTCATCCAGGGCTACA  
 TTGCTAACAGATCCTGCATGTCAGCTGGTGTGAGTTCGAGCCCGTCTAGCTGTGGTGGGTGACCTGGA  
 GGAGATTACGGGGCCATGCCGAGTACCTGCACAGGGCTGTTTTAGGGGCTACTGACAGAGAAGGCA  
 GCGCCAGTCATGAACATCATCCATAGCATCTTCAGCCTGGTGTCAAGTTCGGAAGCCAGCTCATCTCTC  
 AGAACTGGGGCCCGGCCACCGGCCCCCGTGGTCCGAGCACCCCAACTTCCCCTCATGCAGCAGTCTTA

CAGCACCTTCAAGTACTACTCCCACTTCTCTTCAAAGTAGTGACCAAGCTGGTGAACCGAGGCTATCAG  
CCCCACCTGGAAGACTTTCTGCTTCGCATCAACTCAACAACCTACTACCAGGACTCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001163319

**Insert Size:** 5310 bp

**OTI Disclaimer:** 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).

**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\\_001163319.1](#), [NP\\_001156791.1](#)

**RefSeq Size:** 6957 bp

**RefSeq ORF:** 5310 bp

**Locus ID:** 328580

**UniProt ID:** [G5E8P0](#)

**Cytogenetics:** 15 E3

**Gene Summary:** Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. [UniProtKB/Swiss-Prot Function]