

Product datasheet for **MC223253**

Tubgcp5 (NM_146190) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tubgcp5 (NM_146190) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tubgcp5
Synonyms: B130010C12Rik; GCP5; mKIAA1899
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223253 representing NM_146190
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCCCGCTAAGTCGTCCGGGAGCCGGATGGACAGACAGCTGGAGCATGATGTGTGCGAGCTCGTCC
GGCAGGTTACGGGCTGCAGGACGAGGCGGACCCCACTCCAGCTGGCCCTGGACTTCGTCTGGTCCAA
CTTCAGATTTTCATCGTTTCTGGATGTCAACAGTCAAAAGTAGAAAAACAATAGAAGGAATTTATGAA
AAATTCACCATTCATTCTGATCTCAACAAAGCTGCTAGTTGGAAGAGATTAAGTAAAGGATTCCTAAATG
CATCTCTCCAGCACAGAGAAAATAAAGACAGATGCACATTATCCATACTGCTACTCCTTCTGTGTCT
GTCTGATTCTCCTTCAAACAGCAATTATGTGGAACACCGAGAGAGAAAGAGTGGAAAAGAAGGATGAT
TTTGACTGGGGGAAGTACCTGATGGAAGGTGAAGAAATGGCCTTGGTCCAAATATTGATACGCCGAATT
GGTCTGAAGACAGTGTGATGAAGATGCACAGCAGCCCTTGAGCAGAGAAGACTCTGGGATACAGGTAGA
CAGGACCCATTAGAAGAGCAAGACCACAACAGAAAAGGGGGCCCTCAAGTCTGCTGGGAAGATGAGCCA
GATAGCCGGAGCTGGCTGGAACAGCATGTAGTTCATCAGTACTGGACAACCAGGCGCTCCGAATCCAC
ACAGTGCACATCTGCACCTCAATTTAGCTGTCTGGGATCAACACCTGTACAGCAGTGAACCTCTGTA
CGTGCCAGATGACAGGGTGGTGGTACTGAGACACAGGTCAATTCGGGAGACCCTGTGGTTACTTTACAGGG
GTGAAAAAGATGTTTATATTTTCAGTTGATAGATGGGAAGGTAAGTGTGAGAAAACAATATTATTGTAAGT
ACTTGACACATAGCTGTTTACGATCTGTGCTGGAACAAATAGCAGCGTATGGCCAGGTTGTGTTTCGGCT
CCAGGAGTTCATTGATGAAGTCAATGGGGCACAGCTCTGAAAGTCTACCACCGGAAATGGCCCCATACT
AAGAAGCAACCTGACGCTCCCTTTAGAACCTACCAGGCTTCATGTGGGCCCTCTACAAACTTTCATTA
ACTTCAAGGAAGAGCTTACAGACATTGAGAAGTGTGTTATCAGTAGTGATACAACCATAACACTTGAAT
AGTGGTGAACAAGTTGGCACCTCGATTGGCGCAGCTAAAGTCTGGACAAGTGTGTTAGTACTGGAGTG
GCAGAAGTCCACCTGATACTCGCAATGTCGTCCGGGCATCTCACCTGCTTAACACCCTGTACAAGGCCA
TTCTTGAATATGACAATGTTGGCGAAGCCTCTGAACAAACAGTCTCCCTCCTGTTCTCTCTGGGTGGA
AACAGTGAAGCCCTACCTACAGACGGTAGATGAATGGATCGTCCATGGACACCTATGGGACGGCGCAAGG
GAGTTTATCATACAGAGGAATAAAAACGTTCCAGTAAATCACAGAGACTTCTGGTATGCAACGTACACAC



[View online »](#)

TCTATAGCGTATCTGAGAAGACAGAGAATGAAGACAAAGTGAGTGACAGTGCCAGTGCCAGCTCTGGCAG
 TGACCAGGGGCCCTCGAGCAGACAGCACACCATGGTGTCTTCTCTGAAGCCTGTCTGAAGCAGATCATA
 ATGGCTGGCAAGTCAATGCAGCTGCTGAAGAACCTCAACTGTGCAGAGGGCCCTGCGTGCCAGGCAGCAG
 CCAGAGATGCAGAAAGAAAAAGCTTATATACCCCTTTCTGGAATCTATACAGTTACGTCTTCAACATGG
 AGAAGATTCTGCTCCACACATTGTTAATGAAGATCAAACAACCAAGAGAACCTTATAAAGATGCAGTCC
 ATTGCTGAAAGGCACCTTGAGCTAGATGATATTCATGACCCACTGTTGGCCATCAACTTTGCAAGGTTGT
 ATTTGGAGCAGAGCGACTTTCACGAGAAGTTTGTGGTGGTGACATATGCGTGGATAGATCATCAGAGTC
 TGTGACCTGCCAGACTTTTGAATTAACACTGAGGTCTTGCTCTATCCTCACATTGATAAGCAGTATCTA
 CATTGCTGTGGGAATCTCATGCAAACCTTAAAGAGAGATTTACAGGCTGGTGGAGTACTTGACAGGCCATGA
 GGAATTTTTTCTTGATGGAAGGTGGAGACACCATGTATGACTTCTATACTTCAATTTTTGATAAAAATAAG
 AGAAAAGGAAACCTGGCAGAATGTGTCTTTCTTAATGTGCAGCTCCAAGAAGCAGTAGGACAGCGCTAT
 CCTGAAGACAGTTTACGTTTATCTATATCTTTGAAAATGTTGATACAACATAAGAAGAACTACCCGTTT
 ATATCTTAGATGGTCTTACCCTAAGCTACAAGTCCCATGGCCTGTGGACATTGTATAAGTGTAGAATG
 TCAAAAAATTTAATCAGGTGTTCTTCTCTATTGCAAATAAAATGGGCAAAATACAGCTGGATGTT
 CTACTATTTGGTGAAGTGGTAATGCTGCTGAAAGATCCAAGCAAAGGAAGACATTCCAGTGATCAGG
 ACACACCTCCCAGTTTGGACCACAAAAGAGTCATTAAGACAGCAGATTCATCGCATGTTTCTCTTAAG
 AGTGAAGCTCATGCACTTTGTGAATAGTTTACACAACATCATGACCAGGATTTCCACAGTACAGGG
 CTGGAGTTTACAGCATCAAGTTGAGGAAGCCAAAGATTTAGATCAGTTGATTAATACTACAGGTATT
 TGTCAACCATCCATGATCGATGTCTGCTGAGAGAAAAGGTGAGCTTCGTGAAAGAAGCCATCATGAAAGT
 GTTGAAGTTGGCGCTCATGTTTGCAGAAGTTGGCAGGCAGGCCATAGGGGCTTGGCAAATGGAATCTATA
 GAGAAGATGGAATCTGACTTTAAAACCTGCCACATGTTTCTGGTAACCATCTTAAATAAAGCTGTGTGTA
 GAGGATCTTTCCCACTTGAATCTCTGCACTGTCGCTCATGGCTGGCATGGACAAAGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_146190
- Insert Size:** 3075 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_146190.2](#), [NP_666302.2](#)
- RefSeq Size:** 3681 bp
- RefSeq ORF:** 3075 bp

Locus ID: 233276
UniProt ID: [Q8BKN5](#)
Cytogenetics: 7 B5
Gene Summary: Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome.
[UniProtKB/Swiss-Prot Function]