

Product datasheet for **MC228458**

Tubgcp2 (NM_001286011) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubgcp2 (NM_001286011) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tubgcp2
Synonyms:	1700022B05Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228458 representing NM_001286011
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGAACCCTAGTAAAGGAATACCTGATTCTGGTCACACAGCTGGAACAGCTGCACAGGCAGGGCCTCC
 TCTCACTGCAGAAGCTCTGGTTCTACATCCAGCCAGCCATGCGCACCATCGACATCCTTGCCTCCCTTGC
 CACCTCAGTGGATAAAGGCGAGTGTGTGGGCGGTTCGACACTGAGCCTTCTTCATGATAGGAGCTTCAAC
 TACACCGGGGACAGCCAGGCGCAGGAGCTGTGCCTCTATCTGACCAAGGCAGCCAGTGCACCTTACTTTCG
 AGATCCTGGAGAAGTGGATCTATAGGGGCATCATTATGACCCATACAGTGAGTTCATGGTGGAGGAACA
 CGAGCTGCGGAAGGAGAAGATCCAGGAGGACTACAACGACAAGTACTGGGACCAGCGCTACACTGTGCTG
 CCGCAGCAGATCCCATCCTTCTGCAGAAGGTAGCAGGCAAGATCCTCAGCACAGGAAAATACCTAAATG
 TGGTCAGAGAGTGTGGTATGATGTCACCTGTCCCGTAGCCAAAGAAATCATCTATACCCTTAAAGAGCG
 GGCATATGTGGAGCAGATAGAGAAAGCGTTCAATTATGCCAGCAAAGTGTGCTGGACTTCTCATGGAG
 GAGAAGGAGCTGGTGGCCCACTGAGGTCCATCAAGCGCTACTTCTGATGGACCAGGGGACTTCTTCG
 TGCAATTCATGGACCTGACTGAGGAGGAGCTCAGGAAGCCAGTGGAGGACATCACTCACACGCCTGGA
 GGCCCTGTTGGAGCTGGCCCTGCGAATGAGCACTGCCAACACTGACCCCTTCAAAGACGACCTCAAGATT
 GAACTGATGCCTCAGACCTAATCACTCAGCTTTTGGGGTTCTGGCCATCGAGACCAAGCAGGAAAAGG
 CAATGACCCATGCTGACCCACGGAGCTCACACTGAGTGGTCTGGAGGCCTTCTCCTTTGACTACATGGT
 CAAATGGCCCTGTCAGTATTATTAACAGGAAGGCACTACCCGCTACCAGATGCTCTCCGACACATG
 TTCTACTGCAAGCAGTGGAGCGGCAGCTCTGCAGTGTCTGGATCAGCAACAAGACGGCCAAGCAGCATG
 CACTGCACTCCGCAAGTGGTGGTGGTCTTCACTCTGCGGCAGCGAATGCTCACTTTGTCCAGAA
 TATTCAGTACTACATGATGTTTGAAGTGTGAACCGACCTGGCACATCCTTGAGAAAAACCTGAAATCT
 GCCTCCAACATTGACGATGTCCTTGGCCACCACACAAGCTTCTTGACAAGTGCCTGAAGGACTGCATGC
 TGACCAACCCTGAGCTGCTGAAGGTTTTCTCCAAGCTCATGTCCGTATGCGTCATGTTTACCAACTGTAT
 GCAGAAATTTACACAGAGTATGAAACTGGACAGTGAAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAG
 CAGGGGCCACCCACAGAGACTGAACGGATTGAGGATCGCCCCGGAAGGAGCTTACCAGGAAGCATCTGT
 CTGAGCATGTGGATGCTCCTCAGCTGGCCTCTGGTTTCGAGGCCACCATCAACAATTTGACAAAAACTT
 CTCTGCCATCTTCTTGTATTTGCTGGCCCGACTAAGTGTCTACAGCACCAGTACTGCGAACATGGCATG
 GCCAGTGCATCTCCAGACTAGATTTCAATGGTTTCTATGCTGAACGCCTGGAACGTCTGTCTGCAGAAA
 GGAGTCAGAAGGCTGCCCCCAAGTGCCTGCCACGGGGACCTCAGCACCAGCACCCAGGGTGGCCAT
 TCTGCGCAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001286011
- Insert Size:** 1833 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001286011.1](#), [NP_001272940.1](#)

RefSeq Size: 2925 bp

RefSeq ORF: 1833 bp

Locus ID: 74237

Cytogenetics: 7 F4

Gene Summary: Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) lacks an alternate exon and uses a downstream start codon compared to variant 1. The resulting isoform (c) is shorter at the N-terminus compared to isoform a.