

Product datasheet for **MC229148**

Tubgcp2 (NM_001286007) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubgcp2 (NM_001286007) 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: >MC229148 representing NM_001286007
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGAATTTTCGGATTACCATGATGTCAATGAGCTGCTCAGCCTGCTCCGCATCCATGGCGGGGATG
 GGGCTGAGGTCTACATTGACCTGCTGCAGAAGAACCAGGACGCCGTATGTACAACCACAGCTCTGCCCA
 CAGTGCCAAGGTCAAATTTGCAGAAATTTCTCGAACTCCTGAGGACTTTTTAAAGAAATATGATGAACTG
 AAATCTAAAAATACAAGGAACCTTGACCCACTGGTGTACCTGTTATCAAACTCACAGAAGACAAAGAGA
 CACTTCAGTTTTTGAACAGAATGCAAAGGAAAGAGCTGAGCTTGACGCTAGTGTGCAACTAGCAACAC
 CACCAGCTTCAGCATCCCTGTTGCAGCCTTAAGATGTCCACACAAGAGCTAGAGGAACTGAGGAAGCAG
 CTTGGCAGTGTATCCACAGGCTCCACACTGCAGCAGTCTCTGGAACCTACAAGAAAGATGCTTCGAGACA
 AACAGAACAAAAAATTCAGGCCAGCCCCTCCCTGTCTCCAGCATGGGTGTATGAGAGACCAACATT
 GGCTGGAGATTTCTGATTGGCTCGGGCTTGAGCTCAGACACAGTTTTGCCTATAGTACATTGCCCTTG
 GCCTCCCAGGAGTCAGCTGTGGTGAAGATCTGCTCTATGTGCTTGTGGGTGTGGATGGCAGGTATATCA
 CTGCTCAGCCTTTGGCTGGGAGGCAGAACCCTACCTTCCTTGTGACCCCAACCTGGACCTGTCCATCCG
 GGAGCTAGTAAACAGAATCCTCCCTGTGGCCGCCAGCTACTCTACTGTGACCAGGTTCAATTGAGGAGAAG
 TCTTCAATTTGAATATGGGCAGGTGAACCATGCCCTGGCTGCTGCCATGAGAACCCTAGTAAAGGAATACC
 TGATTCTGGTCACACAGCTGGAACAGCTGCACAGGCAGGGCCTCCTCTCACTGCAGAAGCTCTGGTTCTA
 CATCCAGCCAGCCATGCGCACCATCGACATCCTTGCCCTCCCTGCCACCTCAGTGGATAAAGGCGAGTGT
 GTGGGCGGGTCGACACTGAGCCTTCTTCATGATAGGAGCTTCAACTACCCGGGGACAGCCAGGCGCAGG
 AGCTGTGCCTCTATCTGACCAAGGCAGCAGTGCACCTTACTCGAGATCCTGGAGAAGTGGATATAG
 GGGCATCATTGACCCATACAGTGAGTTCATGGTGGAGGAACACGAGCTGCGGAAGGAGAAGATCCAG
 GAGGACTACAACGACAAGTACTGGGACCAGCGCTACACTGTGCTGCCGCAGCAGATCCCATCCTTCTCTGC
 AGAAGGTAGCAGGCAAGATCCTCAGCACAGGAAAATACCTAAATGTGGTCAGAGAGTGTGGTCATGATGT
 CACCTGTCCCGTAGCCAAAGAAATCATCTATACCCTTAAAGAGCGGGCATATGTGGAGCAGATAGAGAAA
 GCGTTCAATTATGCCAGCAAAGTGTCTGGACTTCTCATGGAGGAGAAGGAGCTGGTGGCCACCTGA
 GGTCCATCAAGCGCTACTTCTGATGGACCAGGGGACTTCTTCGTGCATTTTATGGACCTGACTGAGGA
 GGAGCTCAGGAAGCCAGTGGAGGACATCACTACACGCCTGGAGGCCCTGTTGGAGCTGGCCCTGCGA
 ATGAGCACTGCCAACACTGACCCCTTCAAAGACGACCTCAAGATTGAACTGATGCCTCACGACCTAATCA
 CTCAGCTTTTGGGGTTCTGGCCATCGAGACCAAGCAGGAAAAGGCAATGACCCATGCTGACCCACGGA
 GCTCACACTGAGTGGTCTGGAGGCTTCTCCTTTGACTACATGGTCAAATGGCCCTGTCACTGATTATT
 AACAGGAAGGCACTACCCGCTACCAGATGCTCTTCCGACACATGTTCTACTGCAAGCACGTGGAGCGGC
 AGCTCTGCAGTGTCTGGATCAGCAACAAGACGGCCAAGCAGCATGCACTGCACTCCGCCAAGTGGTTTGC
 TGGTGTCTTCACTCTGCGGCAGGCAATGCTCAACTTTGTCCAGAATATTCAGTACTACATGATGTTTGA
 GTGATGGAACCGACCTGGCACAACCTTGAGAAAAACCTGAAATCTGCCTCCAACATTGACGATGTCTTG
 GCCACCACACAAGCTTCTTGACAACTGCCTGAAGGACTGCATGCTGACCAACCTGAGCTGCTGAAGGT
 TTTCTCCAAGCTCATGTCCGATGCGTCAATTTACCAACTGTATGCAGAAATTTACACAGAGATGAAA
 CTGGACAGTGAGCTAGGCCGCTGACACTGGATCAGGGTGTGTGCAGGGGCCACCCACAGAGACTGAAC
 GGATTGAGGATCGCCCCGGAAGGAGCTTACCAGGAAGCATCTGTCTGAGCATGTGGATGCTCCTCAGCT
 GCCTCTGGTTTCGAGGCCACCATCAACAACCTTTGACAAAACTTCTCTGCCATCTTCTTGATTTGCTG
 GCCCGACTAAGTGTCTACAGCACCAGTACTGCGAACAATGGCATGGCCAGTGTCTCAGACTAGATT
 TCAATGGTTTCTATGCTGAACGCTGGAACGTCTGTCTGCAGAAAGGAGTCAGAAGGCTGCCCCCAAGT
 GCCTGTCCACGGGGACCCTCAGCACCAGCACCAGGGTGGCCATTCTGCGCA**TGA**

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001286007

Insert Size:	2718 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:	<ol style="list-style-type: none">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:	<u>NM_001286007.1</u> , <u>NP_001272936.1</u>
RefSeq Size:	3158 bp
RefSeq ORF:	2718 bp
Locus ID:	74237
UniProt ID:	<u>Q921G8</u>
Cytogenetics:	7 F4
Gene Summary:	<p>Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Variants 1 and 2 both encode the same isoform (a).</p>