

Product datasheet for **MC228613**

Tubgcp4 (NM_001290824) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubgcp4 (NM_001290824) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tubgcp4
Synonyms:	76p; 4932441P04Rik; D2Ert435e; GCP-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC228613 representing NM_001290824
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTACGAACTGCTCTTGGCCCTGAGTGGGTACCCAGGGTCCATTTTCACCTGGAACAAGCGGAGTG
 GCCTGCAGGTTTCCAGGATTTTCCATTTCTTACCCCAGTGAGACTAGTGTCTGAATCGACTCTGCCG
 GCTTGGCAGACTACATTTCGATTCACTGAGTTTATTGAACAGTATACAGGCCATGTGCAGCAACAGGAC
 CACCATCTCCCCAGCAGGGCCAAAGGGGACTGCATGGGATCTACCTGAGAGCCTTCTGCACAGGGCTGG
 ATTCAGTTTTGCAGCCGATCGCCAAGCACTGCTTATTGGAACAAGAGTTCTGGCTGACCCGCATCT
 CTCCATATCACATGTCAATTACTCTTAGATCAGTTCAGCTCCTTTCCCTCTGTGATGGTTGTAGTG
 GAGCAAAATTTAAAGCCAAAAGATTCATGGCTGTCAAATCTGGAACAGTTTACAAACATAGCTGTGGG
 GCTTGCCTCCAGTCCGAAGCGCATTAGAAAAATCTGGCTGTGTCCATGGAGTCATGTATAAACAGCT
 CTCAGCCTGGATGCTGCATGGACTCCTTTGGATCAGCATGAAGAGTTCTTCATCAAACAGGGCCCATCT
 TCTGGTACTCTCAGTGCCGAGCTGGAAGAGGATGAGGAGGACCTGGGCATTGGAGGCCTGACAGGAAAA
 AGCTGAGAGAAGTGCAGGACCTGCGCCTAATTGAGGAAGAGAATATGCTGGCCCCATCTCTGAAGCAGTT
 TTCGCTGAGGGTAGAGATTTTACCATCATACATTCAGTGAGAGTTGCTGAAAAATCCTCTTTGTTGGA
 GAATCTGTCCAAATGTTTGAGAAATCAAAATGTGAACCTGACAAGGAAAGGGTCCATCTTGAAAAACCAGG
 AGGACACATTCGCTGCCGAGCTGCACCGGCTCAAGCAGCAGCCACTCTTCAGCCTGGTGGATTTTGA
 GGTGGTAGATCGGATTCGTAGCACTGTGGCTGAGCACCTCTGGAAGCTAATGGTGAAGAGTCAGATTTA
 CTGGGTCAGCTGAAGATCATTAAAGACTTTTACCTGCTGGGACGAGGAGAAGTGTCCAGGCCTTCATTG
 ACACAGCTCAGCATGTTGAAAAACCCACCCACTGCAGTAACAGAGCATGATGTGAATGTGGCCTTTCA
 ACAGTCAGCACACAAGGTGTTGCTAGATGACGACAACCTTCTCCCTCTGTTGCACCTGACGATTGAGTAT
 CATGGGAAGGACCACAAAGATGCCACCCAGCCAAGAGAAGTGCCTTCTCGGGAGACATCCCCCGGAAG
 CTCCTTCTCCGGCTGGGCTGCTCTAGGGCTTTCTACAAAGTACAGTGGCCACTGCACATTCTCTTCAC
 CCCAGCTGTCTTGAAAAAGTACAATGTTGTTTTTAAGTACTTACTGAGTGTGCGCCGTGTCCAAGCTGAA
 CTGCAGCACTGCTGGGCACTCCAGATGCAGCGCAAAACACCTCAAATCTAACCAGACGACGAGTCAAGT
 GGCGCCTAAGAAACCACATGGCCTTCTTGGTAGATAATCTTCAGTACTATCTCCAGGTAGATGTGCTGGA
 GTCTCAGTTCTCAGAGCTGCTTCATCAGATCAATTCTACGAGGGACTTTGAAAGCATCCGATTGGCACAC
 GACCACTTCTAAGCAATCTGCTGGCCCAATCCTTTATTTTGTGAAGCCTGTGTTTCACTGCCTGAATG
 AAATCCTAGATCTCTGTACAGTTTTTGTTCAGTGGTCAGTCAGAACCTAGGTCCACTGGATGAGCGCGG
 AGCGGCCAGCTGAGCATTCTCGTGAAGGGCTTTAGTCGCCAGTCTTCACTCCTGTTCAAGATTCTTTCC
 AGTGTTCCGAATCACCAGATCAACTCAGATTTGGCTCAGTTACTGCTCCGGCTAGACTATAATAAATACT
 ATACCCAGGCTGGTGGGACTCTGGGCAGTTTGGGATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001290824

Insert Size: 2001 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001290824.1, NP_001277753.1</u>
RefSeq Size:	4275 bp
RefSeq ORF:	2001 bp
Locus ID:	51885
Cytogenetics:	2 60.37 cM
Gene Summary:	Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (b) that is 1 aa shorter than isoform a.