

Product datasheet for **SC320648**

gamma Tubulin (TUBG1) (NM_001070) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	gamma Tubulin (TUBG1) (NM_001070) Human Untagged Clone
Tag:	Tag Free
Symbol:	gamma Tubulin
Synonyms:	CDCBM4; GCP-1; TUBG; TUBGCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001070.3
 GCGGGCTGGCGTGC GGCGCCGTTGCGGGCGGGAGCGGCTGCAACGCCGGTGCCTGAGGAG
 CGATGCCGAGGGAAATCATCACCTACAGTTGGGCCAGTGC GGCAATCAGATTGGGTTCCG
 AGTTCTGGAAACAGCTGTGCGCCGAGCATGGTATCAGCCCCGAGGGCATCGTGGAGGAGT
 TCGCCACCGAGGGCACTGACCGCAAGGACGTCTTTTTCTACCAGGCAGACGATGAGCACT
 ACATCCCCCGGGCCGTGCTGGACTTGAACCCCGGGTGATCCACTCCATCCTCAACT
 CCCCTATGCCAAGCTCTACAACCCAGAGAACATCTACCTGTCCGAACATGGAGGAGGAG
 CTGGCAACAACCTGGGCCAGCGGATTCTCCAGGGAGAAAAGATCCATGAGGACATTTTTG
 ACATCATAGACCGGGAGGAGATGGTAGTGACAGTCTAGAGGGCTTTGTGCTGTGCACT
 CCATTGCTGGGGGACAGGCTCTGGACTGGTTCTACCTCTTAGAACGGCTGAATGACA
 GGTATCTAAGAAGCTGGTGCAGACATACTCAGTGTTCCTCAACAGGACGAGATGAGCG
 ATGTGGTGGTCCAGCCTTACAATCACTCCTCACACTCAAGAGGCTGACGCAGAATGCAG
 ACTGTGTGGTGGTGTGGACAACACAGCCCTGAACCGGATTGCCACAGACCGCTGCACA
 TCCAGAACCCATCCTTCTCCAGATCAACCAGCTGGTGTCTACCATCATGTCAGCCAGCA
 CCACCACCTGCGCTACCCTGGCTACATGAACAATGACCTCATCGCCTCATCGCCTCGC
 TCATCCACCCACGGCTCCACTTCTCATGACCGGCTACACCCTCTCACTACGGACC
 AGTCAGTGGCCAGCGTGAGGAAGACCACGGTCTGGATGTCATGAGGCGGCTGCTGCAGC
 CCAAGAACGTGATGGTGTCCACAGGCCGAGACCGCCAGACCAACCACTGTACATCGCCA
 TCCTCAACATCATCCAGGGAGAGGTGGACCCCAACCCAGGTCACAAAGAGCTTGACAGGA
 TCCGGGAACGCAAGTTGGCCAACCTCATCCCGTGGGGCCCCGCCAGCATCCAGGTGGCCC
 TGTGAGGAAGTCTCCCTACCTGCCCTCGGCCACCGGGTCAGCGGGCTCATGATGGCCA
 ACCACACCAGCATCTCCTCGCTCTTCGAGAGAACCTGTGCCAGTATGACAAGCTGCGTA
 AGCGGGAGGCCTTCTGGAGCAGTTCGGCAAGGAGGACATGTTCAAGGACAACCTTTGATG
 AGATGGACACATCCAGGGAGATTGTGCAGCAGCTCATCGATGAGTACCATGCGGCCACAC
 GGCCAGACTACATCTCCTGGGGCACCCAGGAGCAGTGTGAGTCCCCAGGACAGGGACCTC
 ATCTGCCTTACTGGTTGGCCCAAGCCCTGCCTGACTGACCACCCCTCAGAGCACAGATC
 AGGGACCTCACGCATCTTTCTCATATACATGGACTCTCTGTTGGCCTGCAAACACATT
 TACTTCTCTTATGAGACTATTTATCTTTAATAAAGCACTGGATATAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001070

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001070.3](#), [NP_001061.2](#)

RefSeq Size: 1645 bp

RefSeq ORF: 1356 bp

Locus ID: 7283

UniProt ID: [P23258](#)

Cytogenetics: 17q21.2

Domains: tubulin

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the tubulin superfamily. The encoded protein localizes to the centrosome where it binds to microtubules as part of a complex referred to as the gamma-tubulin ring complex. The protein mediates microtubule nucleation and is required for microtubule formation and progression of the cell cycle. A pseudogene of this gene is found on chromosome 7. [provided by RefSeq, Jan 2009]