

Product datasheet for **SC115940**

TUBGCP2 (NM_006659) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TUBGCP2 (NM_006659) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUBGCP2
Synonyms:	ALP4; GCP-2; GCP2; Grip103; h103p; hGCP2; hSpc97; PAMDDFS; SPBC97; SPC97; Spc97p
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115940 sequence for NM_006659 edited (data generated by NextGen Sequencing)

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ATGAGTGAATTTTCGGATTACCATGACGTCAATGAACTGCTTAGCCTGCTGCGTGTCCAC
GGAGGAGATGGGGCTGAGGTCTACATTGACCTGCTTCAAAGAAGACAGGACCCCGTACGTC
ACTACCACTGTCTCTGCTCACAGTGCCAAGGTTAAAATTGCAGAGTTTTCTCGTACTCCA
GAAGACTTTCTAAAGAAATATGATGAACTGAAATCTAAAAATACAAGGAACCTTGACCCG
CTGGTGTACCTGTTGTCAAAGCTCACGGAAGACAAGAGACTCTGCAGTACTTACAACAG
AATGCAAAAAGAAAGAGCTGAGCTTGCAGCCGCTGCTGTGGGCAGCAGTACCACCAGCATC
AACGTCCTGCCGCGCCTCCAAGATCTCCATGCAGGAGCTTGAGGAACTGAGGAAGCAG
CTTGGCAGCGTGGCCACAGGCTCCACGCTGCAGCAGTCTCTGAACTTAAAAGAAAGATG
CTTCGAGACAAGCAGAACAAAAAATTCAGGCCAGCACCTCCCCATCTTCCAGCATGG
GTGTATGAGAGACCTGCCCTGATCGGGATTTCTGATTGGTGTGTCATCAGCACAGAC
ACCGCTTTGCCGATAGGCACGTTGCCCTGGCCTCGCAGGAGTCGGCCGTGGTGGAGGAC
CTGCTGTACGTGCTGGTGGGCGTGGACGGGAGGTACGTCACTGCTCAGCCCTGGCTGGG
AGGCAGAGCCGGACCTTCTCGTGGACCCCAACCTGGACCTGTCCATCAGGGAGCTGGTG
CACAGGATCCTCCAGTGGCCGCAAGTACTCCGCTGTGACCAGGTTATTGAAGAGAAG
TCTTCCTTCGAGTACGGGCAGGTGAACCACGCCCTGGCGGCCCATGCGCACCCCTGGTG
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GACAGGAGCTTACGTACACAGGGGACAGCCAGGCCAGGAGCTATGCCTGTACCTAACC
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CACGCCATACAGTGAATTTATGGTTCGAGGAGCAGAGCTGCGGAAGGAGAGGATCCAG
GAGGATTAACAACGACAAGTACTGGGACCAAGCGGTACACCATCGTCCAGCAGCAGATCCCG
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GAGCGGGCGTATGTGGAGCAGATCGAGAAGGCGTTTAACTACGCCAGCAAGGTGTGCTG
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GACCTCATCACTCAGCTCTTGCAGCTCCTGGCCATCGAGACCAAGCAGGAGAAGGCGATG
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CTTTCAGGCACATGTTCTATTGCAAGCACGTGGAGCGGCAGCTCTGCAGCGTCTGGATC
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GCCAGGAAGCACCTGGCTGAGCACGCAGACACTGTGCAGCTGGTGTCCGGCTTCGAGGCC
ACCATCAACAAGTTTGACAAGAACTTCTCAGCCACCTGCTGGACCTCCTGGCCCGGCTG
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ACCCCCAAGTGCCTGTCTGCGGGGGCCCCGGCTCCTGCACCCAGGGTCGAGTCACC
GCACAGTGA

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Clone variation with respect to NM_006659.2
 1941 c=>t;2097 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006659 unedited
 TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGGCTGTGGCTCCG
 GGACTGCGGAGAACATATTGTGATGTTTCGTGCCTCAGAGCTAAAATATGAGTGAATTT
 GGATTCACCATGACGTCAATGAACTGCTTAGCCTGCTGCGTGTCCACGGAGGAGATGGGG
 CTGAGGTCTACATTGACCTGCTTCAAAGAACAGGACCCCGTACGTCCTACCCTGTCT
 CTGCTCACAGTGCCAAGGTTAAAATTGCAGAGTTTTCTCGTACTCCAGAAGACTTTCTAA
 AGAAATATGATGAACTGAAATCTAAAAATAACAAGGAACCTTGACCCGCTGGTGTACCTGT
 TGTCAAAGCTCACGGAAGACAAAGAGACTCTGCAGTACTTACAACAGAATGCAAAAAGAAA
 GAGCTGAGCTTGACGCCGCTGCTGTGGGACGAGTACCACCAGCATCAACGTCCCTGCCG
 CGGCTCCAAGATCTCCATGCAGGAGCTTGAGGAACTGAGGAAGCAGCTTGGCAGCGTGG
 CCACAGGCTCCACGCTGCAGCAGTCTCTGGAATTAAGAAAGATGCTTCGAGACAAGC
 AGAACAAAAAATTCAGGCCAGCACCTCCCCATCTCCAGCATGGGTGTATGAGAGAC
 CTGCCCTGATCGNGATTTCTGATTGGTGTGGCATCAGCACAGACCCGCTTTGCCGA
 TAGGCACGTTGCCCTGGCTCGCAGGAGTCGGCCGTGGNTGGAGACCTGCTGTACGTGC
 TGGTGGGGCGTGACGGNNNAGTACCTCANTGCTCANCCNCTGGCTGGNNNAGCANAGCCN
 GACTTNCCTCNGTGACCCACCTGGACTGTNCATCAAGGNNAGCTGGTGACAGGATCC
 TNCCAGTGGNCGCACTACCTCCTGNGACCACTNNATTGGGAAAAAGCTTCTCGAGTAC
 GGGCAGTGACACGCTGGCGCGCTGCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006659 unedited
 GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGTCAATCATTCTGCTTTAT
 ATTTAAACTGCAAAGACAGAACACAGAGATTCGATTTGAAAATCTGGACCCATTTGCA
 CCAGTCCCTGCTGACCCACACCCTTCTTCTGTACAGCCAGGGCTCACTGTGCGGTG
 ACTGCGACCTGGGTGCAGGAGCCGGGGCCCCCGCAGGACAGGCACTTGGGGGGTGGCC
 TTCTGGCTCCTCTCTGCAGACAGGCGCTCCAGGCGCTCCGTGTAGAAACCATTGAAGTCA
 AGCCTGGAGATGACGCTGGCCATGCCGTGCTCACAGTCACTGGTGTATAGATGCTCAGC
 CGGGCCAGGAGTCCAGCAGGTGGGCTGAGAAGTTCTGTCAAATTTGTTGATGGTGGCC
 TCGAAGCCGGACACCAGTGCACAGTGTCTGCGTGTCTCAGCCAGGTGCTTCTGGCGAGC
 TCCTTCCGGGCCGCTCCTCGGCCCTGCCGGCAGCCCCAAGACGGTGTCTGTCTCCAGC
 GTCTGCCCGCCAGCTCGCCATTTAATTTTCATGCTCTGTGTAAAATTTCTGCATGCCAGT
 GGTGAACATGACCCACACAGACATGAGCTTGGAGGAGACCTCACAAAGCTCGGGGTGGT
 GAGCATGACAGTCTTTCAGCAGGGCCAGGAAGTGGGGGGGGCCAAAGACGCGCCATGTT
 TGAGCCGATTCCAGTTTTCTCAGGAAGGGCCAGGCGGTCCCTCCTTCAACACATGTAATT
 TGAAATCCGGCACAATTACCTTCTGCCAAAGGAAGCCACAAACCCGGCCGACGACC
 AGGCGGTTGGGTTTTTGGCAACCAACCGAAACTGCCCCACCGCTGGAAAAACATGCCGA
 AACATTGACCAAGGGCTTCTGTAAAGACCAAGGCCCTTCATAGCCAAAAAAGCCAG
 CCTAAGCCCTCCGGGTGGGGCCACCTCTTGTCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_006659

Insert Size:

2930 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_006659.1](#), [NP_006650.1](#)

RefSeq Size: 2846 bp

RefSeq ORF: 2709 bp

Locus ID: 10844

UniProt ID: [Q9BSJ2](#)

Cytogenetics: 10q26.3

Domains: Spc97_Spc98

Protein Families: Druggable Genome

Gene Summary: Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an exon in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.