

## Product datasheet for **SC105873**

### TUBGCP2 (BC010373) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TUBGCP2 (BC010373) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUBGCP2
Synonyms:	GCP-2; GCP2; Grip103; h103p; hGCP2; hSpc97; SPBC97; Spc97p
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC010373, the custom clone sequence may differ by one or more nucleotides

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GAGAACATATTGTGATGTTTCGTGCCTCAGAGCTAAAACATGAGTGAATTCGGATTACCATGACGTCA
ATGAACTGCTTAGCCTGCTGCGTGTCCACGGAGGAGATGGGGCTGAGGTCTACATTGACCTGCTTCAAAA
GAACAGGACCCCGTACGTCACTACCACTGTCTCTGCTCACAGTGCCAAGGTGAGCACTGCCCTTGGTGTA
GCGCTGTGCAGGGTGAGCACTGTTCTGGGTGAGGGTGGTGCAGGGTGAGCCACCCCTGGGTGAGGGT
CAGGGTGAGCGCCGTTCTGGGTGAGGGTGGTACAGGGTGAGCACCATTCTGGGTGAGGGTGCAGGGT
AGCCACCCCTGGGTGAGGGTGCAGGATGAACACTGTTCTGGATCAGGATGGTGCAGGGTGAACCCACC
CCTCAGTCCATGTGCAGGATGAGCGTCTCCCTGGGTGAGGGTGCATGATGAGCACCGCCCTGGGTGAG
GGTGCAGGGTGAGCGCCACCTCTGGTGCAGGGGGCAGGGTGAGCGCCACCTCTGGTGCAGGGTGCAGGGT
GAGCGCCACCTCTGGTGCAGGGTGCAGGGTGCAGGGTGCAGGGTGCAGGGTGTGCGGGGTGCAGGGT
GAGCGCCACCCGGGGTGCAGGATGGTGCAGGGTGCAGCTGCCCTGGTGCAGGGTGTGTACCGTGCAA
GATGCAGGGTGAGTGCCCGTTCTGGGTGGCTCAATGGTACCGGCAACGATGGCAGACAGCACTTGGTC
TGTGTGTGTGTTGAGCTCTGATTCTCTGACTCCCCCAGCAGCTCCTGTGATTCACCCCACTGTGCAGA
TGAGTAAATGGAGGCCTATGGAGAAAGCTGGGCCTAGAACCCTCCCTCTCCCACTCTGTCCCTGCAG
CCATGAGGTGGGAGAGTCTGACATGTGCATTCTGTGGATAAAAAGGGAGGGACTGGCCAGGCGCGGT
GGCTCACACCTGTGGTCCCAGCACTTTGGGAGGCTGAGGCAGGTGGATCACAAGTGCAGGAGATCAAGAC
CACCTGGCTAACACGGTGAAGCCCGTCTACTAAAAATACAAAAAATTAGCTGGGTGTGGTGGCGGG
CACCTGTAAATCCAGCTACTCGGGGGGTGAGGCAGGAGAGTGGCGTGGACCCGGGAGGTGGAGCTTGCA
GTGAGCCGAGATATCGTGCCACTGCATTCCAGCCTGGGCGTCAGAGTGAGACTCTGTACAAAAA
AAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for BC010373 unedited</p> <pre>TTCACATTTGTATACGACTCACTATAGCGGCCCGCNAATTCGCACGAGGGGGGCTGCGC GGGGGCTGTGGCTCCGGGACTGCGGAGAACATATTGTGATGTTTCGTGCCTCAGAGCTAAA ACTATGAGTGAATTTTCGGATTACCATGACGTCAATGAACTGCTTAGCCTGCTGCGTGTC CACGGAGGAGATGGGGCTGAGGTCTACATTGACCTGCTTCAAAGAACAGGACCCCGTAC GTCCTACTACCACTGTCTCTGCTCACAGTGCCAAGGTGAGCACTGCCCTTGGTGTAGCGCTG TGCAGGGTGAGCACTGTTCTGGGTGAGGGTGGTGCAGGGTGCAGCCACCCCTGGGTGAG GGTGCAGGGTGCAGCGCCGTTCTGGGTGAGGGTGGTACAGGGTGCAGCCACCATTCCTGGGT GAGGGTGCAGGGTGCAGCCACCCCTGGGTGAGGGTGCAGGATGAACACTGTTCTGGATC AGGATGGTGCAGGGTGAACCCACCCCTCAGTCCATGTGCAGGATGAGCGTCGTCCCTGGG TCAGGGTGCATGATGAGCACCGCCCTGGGTGAGGGTGCAGGGTGCAGCGCCACCTCTGGT GCAGGGTGCAGGGTGCAGCGCCACCTCTGGTGCAGGGTGCANGGTGAGCGCCACCTCTGGT GCANGGTGCANGGTGAGCGCCACCTCTGGTGCANGGTGTGCGGNGTGCANGGTGAGCGC CACCCCGNGTGCANGATGGTGCANGGTGAGCACTGCCCTGGTGCAGGNTGTGTACCGT GCACATGCAGGNTGAGTCCCGTTCCTGGGTGGCCTCATGGTACCNGCACGATGGCAGAC AGACTGGTCTGGNTGTGTGTCAGCTCTGATTTACTGACTTCCCCACAGCTCTGTGATCAC CCTACTGTGCGATGANTAATGGAGCCTTGACAAGCTGGACTAGACCCCTACTCTTCCACTT TGTCTGAGCATGAG</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for BC010373 unedited</p> <pre>NAAAATCAGCTAGNACCGCGCCGCTANCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTCT TTTTGAGACAGAGTCTCACTCTGACGCCAGGCTGGAATGCAGTGGCACGATATCTCGGC TCACTGCAAGCTCCACCTCCCGGGTCCAGCCACTCTCCTGCCTCAGCCCCCGAGTAGC TGGGATCACAGGTGCCCGCCACCACCCAGCTAATTTTTTGTATTTTGTAGTAGACGG GGTTGGGCCGTGTAGCCAGGGTGGTCTTGATCTCCTGACCTTGTGATCCACCTGCCTCA GCCTCCCAAAGTCTGGGATCACAGGTGTGAGCCACCGCGCTGGCCAGTCCCTCCCTT TTTATCCACAGGAATGCACATGTGAGGACTCTCCACCTCATGGCTGCAGGGGACAGAGT GGGGAAGAGGGAGGGTTCTAGGCCAGCTTTCTCCATAGGCCCTCATTACTCATCTGCA CAGTGGGGTGAATCACAGGAGCTGCTGGGGGAGTGCAGGAGAATCAGAGCTGAACACACC CCCAGACCAAGTGTGTCTGCCATCGTTGCCGGTACCATTGAGGCCACCCAGGAACGGGC ACTCACCTGGATCTTGGAAAGGTACACAGCCCTGCCCCAGGGGCAGTGGTTAACCTGG ACCATCCCTGACCCCGGGTGGGGCTAACACTGGACCCGACAAACCTGGACCAAAGGGG GCGGTTAGCCTGCACCCTGGACCACGAGGGGGCGCTAACCTGGACCCTGGACCCAAAGG GGAGGTTTACCCTGGTACCTTGGACCAAAGGTGGGGCTTACACAGTAACCAGACCAAGGG CGGGGGCTATTAAGGCACCCCGGCCAGGGCGAACCCCTTTTCT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC010373
<b>Insert Size:</b>	1400 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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:** [BC010373.1](#)

**RefSeq Size:** 1311 bp

**RefSeq ORF:** 339 bp

**Locus ID:** 10844

**Cytogenetics:** 10q26.3

**Protein Families:** Druggable Genome

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