

## Product datasheet for **SC332428**

### **TUBGCP2 (NM\_001256618) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TUBGCP2 (NM_001256618) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUBGCP2
Synonyms:	ALP4; GCP-2; GCP2; Grip103; h103p; hGCP2; hSpc97; PAMDDFS; SPBC97; SPC97; Spc97p
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC332428 representing NM\_001256618.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCAGGAGCTTGAGGAAGCTGAGGAAGCAGCTTGGCAGCGTGGCCACAGGCTCCACGCTGCAGCAGTCT
CTGGAACCTAAAAGAAAGATGCTTCGAGACAAGCAGAACAAAAAAATTCAGGCCAGCACCTCCCCATC
TTCCCAGCATGGGTGTATGAGAGACCTGCCCTGATCGGGGATTTCTGATTGGTGTGCATCAGCACA
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TAGCTGCTGGTGGGCGTGGACGGGAGGTACGTCACTGCTCAGCCCTGGCTGGGAGGCAGAGCCGGACC
TTCTCTGTGGACCCCAACCTGGACCTGTCCATCAGGGAGCTGGTGCACAGGATCCTCCAGTGGCCGCC
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CAGCGGTACACCATCGTCCAGCAGCAGATCCCCTCCTTCTGCAGAAAATGGCGGACAAGATCCTCAGC
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GCCATCGAGACCAAGCAGGAGAAGGCGATGGCGCACGCCGACCCACGGAGCTGGCGCTGAGCGGCCGTG
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CGGCAGCGAATGCTCAACTTCGTCCAGAATATTCAATACTACATGATGTTTGAAGTATGGAACCGACC
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TTCTTGGACACCTGCCTGAAGGACTGCATGCTACCAACCCCGAGCTGCTGAAGGTCTTCTCCAAGCTC
ATGCTGTGTGCGTCATGTTACCAACTGCATGCAGAAATTTACACAGAGCATGAAATAGATGGCGAG
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ACCATCAACAAGTTTGACAAGAACTTCTCAGCCCACCTGCTGGACCTCCTGGCCCGGCTGAGCATCTAT
AGCACCAGTGACTGTGAGCACGGCATGGCCAGCGTCATCTCCAGGCTTGACTTCAATGGTTTCTACACG
GAGCGCTGGAGCGCCTGTCTGCAGAGAGGAGCCAGAAGGCCACCCCAAGTGCCTGTCTGCGGGGG
CCCCGGCTCTGCACCCAGGTCGAGTACCCGCACAGTGA
  
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001256618

**Insert Size:** 2319 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001256618.1</u>
<b>RefSeq Size:</b>	4029 bp
<b>RefSeq ORF:</b>	2319 bp
<b>Locus ID:</b>	10844
<b>UniProt ID:</b>	<u>Q9BSJ2</u>
<b>Cytogenetics:</b>	10q26.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	88.1 kDa
<b>Gene Summary:</b>	<p>Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses a downstream, in-frame start codon and lacks two exons in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (3) 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.</p>