

## Product datasheet for **SC116222**

### **Gamma tubulin complex component 3 (TUBGCP3) (NM\_006322) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gamma tubulin complex component 3 (TUBGCP3) (NM_006322) Human Untagged Clone
Tag:	Tag Free
Symbol:	Gamma tubulin complex component 3
Synonyms:	104p; ALP6; GCP3; Grip104; SPBC98; Spc98; Spc98p
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC116222 sequence for NM\_006322 edited (data generated by NextGen Sequencing)

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ATGGCGACCCCGGACCAGAAGTCGCCGAACGTTCTGCTGCAGAACCTGTGCTGCAGGATC
CTGGGCAGGAGCGAAGCTGATGTAGCCAGCAGTTCAGTATGCTGTGCGGGTGATTGGC
AGCAACTTCGCCCAACTGTTGAAAGAGATGAATTTTAGTAGCTGAAAAATCAAGAAA
GAGCTTATTCACAACGAAGAGAAGCAGATGCTGCATTATTTTCAGAACTCCACAGAAAA
CTTGATTACAGGGAGTTTTGAAAAATAAATGGTCAATACTCTACCTCTTGCTGAGCCTC
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GCCTTACCAAGAGATGCCCACTCAACCCCTTACTACTATGCCAGGCCTCAGACCCCTCC
CTGAGCTACCAAGATCGGAGTGCCAGTCAGCCAGAGCTCCGGCAGCGTGGGCAGCAGT
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GCAAACTAAGTAGGTTCTTTGAGAGACACAGCAGTCAGGCTTTCTGAGTTGGGATGGTTG
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CTCGTGTCTCATCTGTTTTGAGCTTCTGTACCGCTGGATATATGATGGGGAGCTTGAG
GACACTTACCACGAATTTTTTGTAGCATCAGATCCAACAGTAAAAACAGATCGACTGTGG
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GCCAGGATTTGGATCACATCATTGCTGCACACGAGGTGTTCTTAGACACCATCATCTCC
CGCTGCCTGCTGGACAGTGAAGGCACTTTTAAATCAACTTAGAGCTGTGTTTGT
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GTGACGGCAGCAGAGGAAGAGGAGGAAAAAAGAGGATTGGAGAATTTAAAGAATCTATA
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GACTTCAACGAGCATTACAAAGCCAGGGAGCCAGGCTCCGTGTGTCTCTGGGTACCAGG
GGGCGGCGCAGCTCCACACGTGA

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Clone variation with respect to NM\_006322.4

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006322 unedited</p> <pre> NGGTCAGCATTTGTATACGACTCTATAGGGCGGCCGGAATTCGCACCAGTGGTGGCCG GCGGCGCCCGCGCCTTAGCCTGTGAGGAGCAGGGAGCTTGCGGGGCGCAGGAAGGGCGCG GGCCGCGGTCCCTGCGCGTGGCGGCGCAGTGGCGGCTCTGCCCGGACCACCGTGCACGGC TCCGGGCGAGGATGGCGACCCCGGACCAGAAGTCGCCGAACGTTCTGCTGCAGAACCTGT GCTGCAGGATCCTGGGCAGGAGCGAAGCTGATGTAGCCAGCAGTCCAGTATGCTGTGC GGGTGATTGGCAGCAACTTCGCCCAACTGTTGAAAGAGATGAATTTTTAGTAGTGAAA AAATCAAGAAAGAGCTTATTCGACAACGAAGAGAAGCAGATGCTGCATTATTTTCAGAAC TCCACAGAAAACCTCATTACAGGGAGTTTTGAAAAATAAATGGTCAATACTCTACCTCT TGCTGAGCCTCAGTGAGGACCCACGCAGGCAGCCAAGCAAGGTTTCTAGCTATGCTACGT TATTTGCTCAGGCCTTACCAAGAGATGCCCACTCAACCCCTTACTACTATGCCAGGCCTC AGACCCCTCCCTGAGCTACCAAGATCGGAGTGCCAGTCAGCCAGAGCTCCGGCAGCG TGGGCAGCAGTGGCATCAGCAGCATTGGCCTGTGTGCCCTCAGTGGCCCCGCGCTGCGC CACAATCTCTCTCCAGGACAGTCTAATCAAGCTCCAGGAGTANGAGATTGCCTTCGAC AGCAGNTGGGTACGACTCGCATGGACTNCTACTGCANATCAGCCTTCTCACAGCCAC TACCTCAAAAGTGNCCAGTGCTGTGTCTCGCACATGACAGGTCAGGAGAGAGGGGAT C </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006322 unedited</p> <pre> AAAAAAAAATTGCTTTTAAATTTTCTAAATTTTACCTTATGCAACATAAAGGCAGATTTATG TGACCTGATAATGACATTTTACAAAAACATCCCCCCCACCCAACATCTTGGTCAGT AGTATATAAATATTTACAATGAAAAAATAGGCAAGGAAAAAGGAAATCTTCATTATCCAT GTCGATTTCTTTCCAATGCTTATCAGGAACTTTGAAAATAAAATACTCCATTAACTTTCT CATCACTCCTATTTACACGCTGCTTTACCTGATGCATTGCGGATTTTGGTTGCACTGT ATAAAAGTATTTTGTCTCTATCACTCCTACTTTTTTCTATACTATTTAAAAATCTGA AATAGTAAATTAATATAAAAAATGTAACCTCTGAAAGGAAAAAAAATAAAAAATAATATG TGTAAGGTAATGCATTAATAACAAAGGATCTCACAGAGGTTAATATTTTACAACACTA AAAAAAAATAAATGCTCTATATATTTTCTTAGTTGGGACATTTTGTTCATTTAATTT TTGGTTATGTAACAAAAAATACCTCTAAAGAGGATGTTAAAAAATAGCAATGACGTTA CCATCTTAACATAATGAAAAATCCTATCACCCCTAATNTTTCTAAAAAGAAATGGATTTTTTA AAGCGACAAATATAAATTATAACATAGAAAGCTTAAGAAGCCTCAGCAAATATGGTATC TTTTAGCGATGAAGACTTTTAGAGACAATGTGAACAGTGACGCCAGCCTACTTGACTTAG GGATTTACAATGCATTCCACTCCGACATGTGAAACAGACGTGGCTTCTCCAACCGCGTT CCGATGAACATGNCGCACTCGGGGCGGGAAGCCAGGACCCCTTCAACTGCATTTCTGGAA GAGAAATNGAATTTCCGGTCCACCAG </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006322
<b>Insert Size:</b>	3510 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).

<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>	<a href="#">NM_006322.3</a> , <a href="#">NP_006313.1</a>
<b>RefSeq Size:</b>	3909 bp
<b>RefSeq ORF:</b>	2724 bp
<b>Locus ID:</b>	10426
<b>UniProt ID:</b>	<a href="#">Q96CW5</a>
<b>Cytogenetics:</b>	13q34
<b>Domains:</b>	Spc97_Spc98
<b>Protein Families:</b>	Druggable Genome
<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 (1) represents the longest transcript and encodes the longest isoform (1).</p>