

## Product datasheet for **SC319468**

### **TUBB6 (NM\_032525) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TUBB6 (NM_032525) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUBB6
Synonyms:	FPVEPD; HsT1601; TUBB-5
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\_032525.1  
 GGGCACGAGGGCAGAGCCAGTTCCTAGCGCAGAGCCGCGCCGCCATGAGGGAGATCGTG  
 CACATCCAGGCGGGCCAGTGCGGGAACCAGATCGGCACCAAGTTTTGGGAAGTGATCAGC  
 GATGAGCACGGCATCGACCCGGCCGGAGGCTACGTGGGAGACTCGGCGCTGCAGCTGGAG  
 AGAATCAACGTCTACTACAATGAGTCATCGTCTCAGAAATATGTGCCAGGGCCGCCCTG  
 GTGGACTTAGAGCCAGGCACCATGGACAGCGTGCGGTCTGGGCCTTTTGGGCAGCTTTTC  
 CGGCCTGACAACCTCATCTTTGGCCAGACGGGTGCAGGGAACAACCTGGGCGAAAGGGCAC  
 TACACGGAGGGCCGGAGCTGGTGGACGAGTGTGGACGTGGTGGCGAAGGAGTGCGAG  
 CACTGCGACTGCCTGCAGGGCTTCCAGCTCACGCACTCGTGGGCGGCGCACGGGCTCA  
 GGCATGGGCACGCTGCTCATCAGCAAGATCCGTGAGGAGTTCGCGGACCGCATCATGAAC  
 ACCTTCAGCGTATGCCCTCGCCCAAGGTGTCGGACACGGTGGTGGAGCCCTACAATGCC  
 AACTGTGCGTGCACCAGCTGGTGGAGAATACAGACGAGACCTACTGCATCGACAACGAG  
 GCGCTCTATGACATCTGCTTCCGCACTCTGAAGCTGACAACGCCACCTACGGGGACCTC  
 AACCACCTGGTGTCCGCCACCATGAGTGGGGTCAACACCTCGCTGCGCTTCCCGGGCCAG  
 CTAATGTGACCTGCGCAAGCTGGCGGTGAACATGGTGCCTTCCCGCGCTGCACTTC  
 TTCATGCCTGGCTTCGCGCCGCTCACCAGCCGCGCAGCCAGCAGTACCGGGCCCTGACC  
 GTGCCCGAGCTCACCCAGCAGATGTTCCGACGCCAGGAACATGATGGCCGCTGCGATCCG  
 CGCCATGGCCGCTACCTGACCGTGGCCACCGTGTTCGCGGGGCCATGTCCATGAAGGAG  
 GTGGACGAGCAGATGCTGGCCATCCAGAGTAAGAACAGCAGCTACTTCGTGGAGTGGATT  
 CCCAACACGTGAAGGTGGCCGTGTGCGACATCCCGCCCCGCGGCTGAAGATGGCCTCC  
 ACCTTCATCGGCAACAGCACGGCCATCCAGGAGCTGTTCAAGCGCATCTCCGAGCAGTTC  
 TCAGCCATGTTCCGGCGCAAGGCCTTCTGCACTGGTTACGGGTGAGGGCATGGATGAA  
 ATGGAGTTCACCGAGGCGGAGAGCAACATGAACGACCTGGTATCCGAGTACCAGCAGTAA  
 CAGGATGCCACCCCAATGACGGGGAGGAAGCTTTTGGAGATGAGGAAGAGGAGATCGAT  
 GGATAGTCGGAATAGAGCCGCCCAACTCAGATCCTACAACACGCAAGTTCCTTCTTGA  
 CCCTGGTGCCTCTACCTATGGCCCTGAATGGTGCAGTGGTTAATTGTGTTGGTGTGCG  
 GCCCTCACAAATGCAGCCAAGTCATGTAATTAGTCATCTGGAACAAAGACTAAAAACAG  
 CAGAGAATTGCGGGTTCTACCCAGTCAGAAGATCACACCATGGAGACTTTCTACTAGAGG  
 ACTTGAAGAGAACTGAGGGGCCACAAAATAAACTTACCTTCCATTAAGTGTTCAGCA  
 TGTCTGCAAAATTAGGAGGGAGTTAGAAACAGTCTTTTTTCATCCTTTGTGATGAAGCTGA  
 AATTGTGCGGTGTGCCTTATATGAATATGCAGTATGGGACTTTGAAATAATGATTTCATA  
 ATAAAATACTAAACGTGTGTCTTCAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_032525

**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).

<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_032525.1</a> , <a href="#">NP_115914.1</a>
<b>RefSeq Size:</b>	1843 bp
<b>RefSeq ORF:</b>	1341 bp
<b>Locus ID:</b>	84617
<b>UniProt ID:</b>	<a href="#">Q9BUF5</a>
<b>Cytogenetics:</b>	18p11.21
<b>Domains:</b>	tubulin
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Gap junction, Pathogenic Escherichia coli infection
<b>Gene Summary:</b>	<p>Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Both variants 1 and 2 encode the same isoform.</p>