

## Product datasheet for **SC335977**

### TUBA6 (TUBA1C) (NM\_001303116) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TUBA6 (TUBA1C) (NM_001303116) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUBA1C
Synonyms:	bcm948; TUBA6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335977 representing NM_001303116. Blue=Insert sequence Red=Cloning site Green=Tag(s)

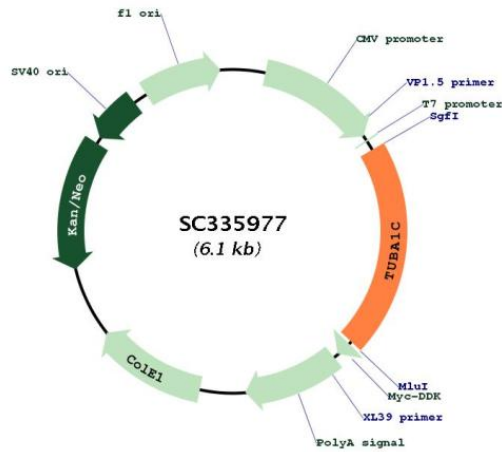
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAAGTGACAAGACCATTGGGGGAGGAGATGATTCCCTCAACACCTTCTTCAGTGAACGGGTGCT
GGCAAGCATGTGCCCGGGCAGTGTTTGTAGACTTGAACCCACAGTCATTGATGAAGTTCGCACTGGC
ACTTACC GCCAGCTCTTCCACCCTGAGCAACTCATCACAGGCAAGGAAGATGCTGCCAATAACTATGCC
CGAGGGCACTACACCATTGGCAAGGAGATCATTGACCTCGTGTGGACCGAATTCGCAAGCTGGCTGAC
CAGTGCACCGGTCTTCAGGGCTTCTGGTTTTCCACAGCTTTGGTGGGGAACTGGTTCTGGTTACC
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CACTCTGATTGTGCCTTCATGGTAGACAATGAGGCCATCTATGACATCTGTGCTAGAAAACCTCGATATC
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GCAGAGATCACC AATGCTTGCTTTGAGCCAGCCAACCAGATGGTGAATGTGACCCTCGCCATGGTAAA
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TTTGTACTGTTACGTGGGTGAGGGGATGGAGGAAGGCGAGTTTTCAGAGGCCCGTGAGGACATGGCT
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TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



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Restriction Sites: SgfI-MluI

**Plasmid Map:**



ACCN: NM\_001303116

Insert Size: 1245 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\\_001303116.1](#)

RefSeq Size: 1822 bp

RefSeq ORF: 1245 bp

Locus ID: 84790

Cytogenetics: 12q13.12

Protein Pathways: Gap junction, Pathogenic Escherichia coli infection

MW: 46.1 kDa

**Gene Summary:**

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]

Transcript Variant: This variant (3) contains an alternate exon in the 5' end and initiates translation at an alternate start codon compared to variant 1. The encoded isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2, 3, and 4 all encode the same isoform (b).