

Product datasheet for **SC335873**

beta V Tubulin (TUBB) (NM_001293214) Human Untagged Clone

Product data:

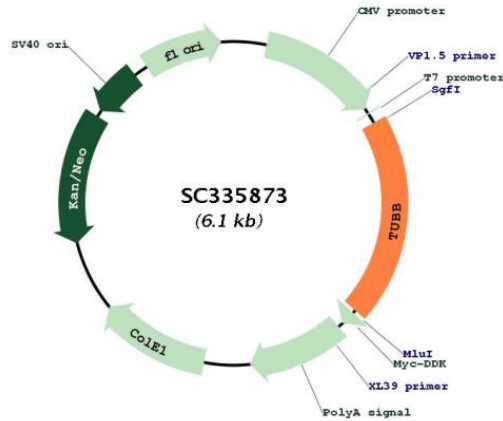
Product Type:	Expression Plasmids
Product Name:	beta V Tubulin (TUBB) (NM_001293214) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUBB
Synonyms:	CDCBM6; CSCSC1; M40; OK/SW-cl.56; TUBB1; TUBB5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335873 representing NM_001293214. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGAGGAAAATCGTGCACATCCAGGCTGGTCAGTGTGGCAAATATGTTCTCGTGCCATCCTGGTGGAT
CTAGAACCTGGGACCATGGACTCTGTTTCGCTCAGGTCCTTTTGGCCAGATCTTTAGACCAGACAACCTT
GTATTTGGTCAGTCTGGGCGAGTAACAACCTGGGCCAAAGGCCACTACACAGAGGGCGCCGAGCTGGTT
GATTCTGTCTGGATGTGGTACGGAAGGAGGCAGAGAGCTGTGACTGCCTGCAGGGCTTCCAGCTGACC
CACTCACTGGGCGGGGACAGGCTCTGGAATGGGCACTCTCCTTATCAGCAAGATCCGAGAAGAATAC
CCTGATCGCATCATGAATACCTTCAGTGTGGTGCCTTACCCAAAGTGTCTGACACCGTGGTCGAGCCC
TACAATGCCACCCCTCTCCGTCCATCAGTTGGTAGAGAATACTGATGAGACCTATTGCATTGACAACGAG
GCCCTCTATGATATCTGCTTCCGCACTCTGAAGCTGACCACACCAACCTACGGGGATCTGAACCACCTT
GTCTCAGCCACCATGAGTGGTGTACCACCTGCCTCCGTTTCCCTGGCCAGCTCAATGCTGACCTCCGC
AAGTTGGCAGTCAACATGGTCCCCTTCCCACGTCTCCATTTCTTTATGCCTGGCTTTGCCCTCTCACC
AGCCGTGGAAGCCAGCAGTATCGAGCTCTCACAGTGCCGAACTCACCCAGCAGGTCTTCGATGCCAAG
AACATGATGGCTGCCTGTGACCCCGCCACGGCCGATACCTCACCGTGGCTGCTGTCTCCGTGGTCCG
ATGTCCATGAAGGAGTTCGATGAGCAGATGCTTAACGTGCAGAACAAAGACAGCAGTACTTTGTGGAA
TGGATCCCCAACAAATGTCAAGACAGCCGTCTGTGACATCCCACCTCGTGGCTCAAGATGGCAGTCACC
TTCATTGGCAATAGCACAGCCATCCAGGAGCTCTTCAAGCGCATCTCGGAGCAGTTCAGTCCCATGTTC
CGCCGGAAGGCCCTTCTCCACTGGTACACAGGCGAGGGCATGGACGAGATGGAGTTCACCCAGGCTGAG
AGCAACATGAACGACCTCGTCTCTGAGTATCAGCAGTACCAGGATGCCACCGCAGAAGAGGAGGAGAT
TTCGGTGAAGGAGGCCGAAGAGGAGGCC TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:


ACCN: NM_001293214

Insert Size: 1203 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_001293214.1](#)

RefSeq Size: 2556 bp

RefSeq ORF: 1203 bp

Locus ID: 203068

UniProt ID: [P07437](#)

Cytogenetics: 6p21.33

Protein Families: Druggable Genome

Protein Pathways: Gap junction, Pathogenic Escherichia coli infection

MW: 44.8 kDa

Gene Summary: This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and acts as a structural component of microtubules. Mutations in this gene cause cortical dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple splice variants. There are multiple pseudogenes for this gene on chromosomes 1, 6, 7, 8, 9, and 13. [provided by RefSeq, Jun 2014]
Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (d) has a distinct N-terminus and is shorter than isoform a.