

Product datasheet for **SC319277**

beta V Tubulin (TUBB) (NM_178014) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	beta V Tubulin (TUBB) (NM_178014) Human Untagged Clone
Tag:	Tag Free
Symbol:	beta V Tubulin
Synonyms:	CDCBM6; CSCSC1; M40; OK/SW-cl.56; TUBB1; TUBB5
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_178014.2
 GCACCTCGCTGCTCCAGCCTCTGGGGCGCATTCCAACCTTCCAGCCTGCGACCTGCGGAG
 AAAAAAAAAATTACTTATTTTCTTGCCCATACATACCTTGAGGCGAGCAAAAAATTAAT
 TTTAACCATGAGGGAAATCGTGACATCCAGGCTGGTCACTGTGGCAACCAGATCGGTGC
 CAAGTTCTGGGAGGTGATCAGTGATGAACATGGCATCGACCCACCGGCACCTACCACGG
 GGACAGCGACCTGCAGCTGGACCGCATCTCTGTGTACTACAATGAAGCCACAGGTGGCAA
 ATATGTTCTCTCGTCCATCCTGGTGGATCTAGAACCTGGGACCATGGACTCTGTTGCTC
 AGGTCCTTTTGGCCAGATCTTTAGACCAGACAACCTTTGTATTTGGTCAGTCTGGGGCAGG
 TAACAACCTGGGCCAAAGGCCACTACACAGAGGGCGCCGAGCTGGTTGATTCTGCTCTGGA
 TGTGGTACGGAAGGAGGCAGAGAGCTGTGACTGCCTGCAGGGCTTCCAGCTGACCCACTC
 ACTGGGCGGGGGCACAGGCTCTGGAATGGGCACTCTCCTTATCAGCAAGATCCGAGAAGA
 ATACCCTGATCGCATCATGAATACCTTCAGTGTGGTGCCTTACCACAAAGTGTCTGACAC
 CGTGGTCGAGCCCTACAATGCCACCTCTCCGTCCATCAGTTGGTAGAGAATACTGATGA
 GACCTATTGCATTGACAACGAGGCCCTCTATGATATCTGCTTCCGCACTCTGAAGCTGAC
 CACACCAACCTACGGGGATCTGAACCACCTTGTCTCAGCCACCATGAGTGGTGTACCAC
 CTGCTCCGTTTTCCCTGGCCAGCTCAATGCTGACCTCCGCAAGTTGGCAGTCAACATGGT
 CCCCTTCCCACGTCTCCATTTCTTTATGCCTGGCTTTGCCCTCTCACCAGCCGTGGAAG
 CCAGCAGTATCGAGCTCTCACAGTGCCGGAACCTACCCAGCAGGCTTTCGATGCCAAGAA
 CATGATGGCTGCCTGTGACCCCCGCCACGGCCGATACCTACCCTGGCTGCTGTCTTCCG
 TGGTCGGATGTCCATGAAGGAGTGCATGAGCAGATGCTTAACGTGCAGAACAAGAACAG
 CAGCTACTTTGTGAATGGATCCCCAACATGTCAAGACAGCCGCTCTGTGACATCCCACC
 TCGTGGCCTCAAGATGGCAGTCACTTTCATTGGCAATAGCACAGCCATCCAGGAGCTCTT
 CAAGCCCATCTCGGAGCAGTTCAGTCCATGTTCCGCGGAAGGCCTTCTCCACTGGTA
 CACAGGCGAGGGCATGGACGAGATGGAGTTCACCGAGGCTGAGAGCAACATGAACGACCT
 CGTCTCTGAGTATCAGCAGTACCAGGATGCCACCGCAGAAGAGGAGGAGGATTTCCGTGA
 GGAGGCCGAAGAGGAGGCCTAAGGCAGAGCCCCATCACCTCAGGCTTCTCAGTCCCTT
 AGCCGTCTTACTCAACTGCCCTTTCTCTCCCTCAGAAATTTGTGTTTGTGCTCTATC
 TTGTTTTTTGTTTTTCTTCTGGGGGGGTCTAGAACAGTGCCTGGCACATAGTAGGCGC
 TCAATAAATACTGTTTGTGAATGTCTCCTCTCTTTCCACTCTGGGAAACCTAGGTT
 TCTGCCATTCTGGGTGACCTGTATTTCTTTCTGGTGGCCATTCCATTTGTCCAGTTAAT
 ACTTCCTCTTAAAAATCTCCAAGAAGCTGGGTCTCCAGATCCCATTTAGAACCAACCAGG
 TGCTGAAAACACATGTAGATAATGGCCATCATCCTAAGCCCAAAGTAGAAAATGGTAGAA
 GGTAGTGGGTAGAAGTCACTATATAAGGAAGGGGATGGGATTTTCCATTCTAAAAGTTTT
 GGAGAGGGAAATCCAGGCTATTAAGTCACTAAATTTCTAAGTATGTCCATTTCCCATCT
 CAGCTTCAAGGGAGGTGTCAGCAGTATTATCTCCACTTTCAATCTCCCTCCAAGCTCTAC
 TCTGGAGGAGTCTGTCCACTCTGTCAAGTGGAACTCTCCCTTCCAACTCTACCTCCC
 TCACTCAGCTCCTTTCCCTGATCAGAGAAAGGATCAAGGGGTTGGGAGGGGGAAAG
 AGACCAGCCTTGGTCCCTAAGCCTCCAGAAACGTCTTCTTAATCCCACCTTTTCTTACT
 CCCAAAAAAGAAATGAACACCCCTGACTCTGGAGTGGTATACTGCCACATCAGTGTGTTG
 AGTCAGTCCCAGAGGAGAGGGGAACCTCCTCCATCTTTTTTGAACATCTCATTCTT
 CCTTTTGTGTTGCTTCCCCCTCACACACTTGGTTTTGTTCTATCTACATTTGAGATT
 TCTATTTTATGTTGAACCTGCTGCTTTTTTTCATATTGAAAAGATGACATCGCCCAAGA
 GCCAAAAATAAATGGGAATTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_178014

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).
Reconstitution Method:	<ol style="list-style-type: none">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_178014.2 , NP_821133.1
RefSeq Size:	2510 bp
RefSeq ORF:	1335 bp
Locus ID:	203068
UniProt ID:	P07437
Cytogenetics:	6p21.33
Protein Families:	Druggable Genome
Protein Pathways:	Gap junction, Pathogenic Escherichia coli infection
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) 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 (b) has a distinct N-terminus and is shorter than isoform a.</p>