

Product datasheet for **SC319583**

beta II Tubulin (TUBB2A) (NM_001069) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	beta II Tubulin (TUBB2A) (NM_001069) Human Untagged Clone
Tag:	Tag Free
Symbol:	beta II Tubulin
Synonyms:	CDCBM5; TUBB; TUBB2
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_001069.2
 CGCCGGTCCACGCCGCGCACCGCTCCGAGGGCCAGCGCCACCCGCTCCGCAGCCGGCACC
 ATGCGCGAGATCGTGCACATCCAGGCGGGCCAGTGCGGCAACCAGATCGGCGCCAAGTTT
 TGGGAGGTCATCAGCGATGAGCATGGGATCGACCCACAGGCAGTTACCATGGAGACAGT
 GACTTGCAGCTGGAGAGAATCAACGTGTACTACAATGAGGCTGCTGGTAACAAATATGTA
 CCTCGGGCCATCCTGGTGGATCTGGAGCCTGGCACCATGGACTGTGCAGGTCTGGACCC
 TTCGGCCAGATCTTCAGACCAGACAACCTCGTGTTCCGGCCAGAGTGGAGCCGGGAATAAC
 TGGGCCAAGGGCCACTACACAGAGGGAGCCGAGCTGGTCGACTCGTCTGGATGTGGTG
 AGGAAGGAGTCAGAGAGCTGTGACTGTCTCCAGGGCTTCCAGCTGACCCACTCTCTGGGG
 GGCGGCACGGGGTCCGGGATGGGCACCCTGCTCATCAGCAAGATCCGGGAAGAGTACCCA
 GACCGCATCATGAACACCTTCAGCGTCATGCCCTACCCAAGGTGTGAGACACGGTGGTG
 GAGCCCTACAACGCCACCCTCTGTCCACCAGCTGGTGGAAAACACAGATGAAACCTAC
 TCCATTGATAACGAGGCCCTGTATGACATCTGCTCCGCACCCTGAAGCTGACCACCCCC
 ACCTACGGGGACCTCAACCACCTGGTGTGCGCCACCATGAGCGGGGTACCACCTGCCTG
 CGCTTCCCGGGCCAGCTGAACGCAGACCTGCGCAAGCTGGCGGTGAACATGGTGCCTTC
 CCTCGCCTGCACTTCTTATGCCCGGCTTCGCGCCCTGACCAGCCGGGGCAGCCAGCAG
 TACCGGGCGCTCACGGTGCCCGAGCTCACCCAGCAGATGTTGACTCCAAGAATCATGATG
 GCCGCTGCGACCCGCGCCACGGCCGCTACCTGACGGTGGCTGCCATCTTCCGGGGCCGC
 ATGTCCATGAAGGAGGTGGACGAGCAGATGCTCAACGTGCAGAACAAAGAACAGCAGCTAC
 TTCGTGGAGTGGATCCCCAACACGTGAAGACGGCCGTGTGCGACATCCCGCCCCGCGGC
 CTGAAGATGTGCGCCACCTTCATCGGCAACAGCACGGCCATCCAGGAGCTGTTCAAGCGC
 ATCTCCGAGCAGTTCACGGCCATGTTCCGGCGCAAGGCCCTTCTGCACTGGTACACGGGC
 GAGGGCATGGACGAGATGGAGTTCACCGAGGCCGAGAGCAACATGAACGACCTGGTGTCC
 GAGTACCAGCAGTACCAGGACGCCACGGCCGACGAACAAGGGGAGTTCGAGGAGGAGGAG
 GCGGAGGACGAGGCTTAAAACTTCTCAGATCAATCGTGATCCTTAGTGAACCTCTGTT
 GTCCTCAAGCATGGTCTTTCTACTTGTAACTATGGTGTGCTCAGTTTTGCCTCTGTAGAA
 ATTCACACTGTTGATGTAATGATGTGGAACCTCTTAAAAATTACAGTATTGTCTGTGAA
 GGTATCTATACTAATAAAAAAGCATGTGTAGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001069

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_001069.2 , NP_001060.1
RefSeq Size:	1621 bp
RefSeq ORF:	1338 bp
Locus ID:	7280
UniProt ID:	Q13885
Cytogenetics:	6p25.2
Domains:	tubulin
Protein Families:	Druggable Genome
Protein Pathways:	Gap junction, Pathogenic Escherichia coli infection
Gene Summary:	<p>Microtubules, key participants in processes such as mitosis and intracellular transport, are composed of heterodimers of alpha- and beta-tubulins. The protein encoded by this gene is a beta-tubulin. Defects in this gene are associated with complex cortical dysplasia with other brain malformations-5. Two transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2015]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>