

## Product datasheet for SC113339

### TUBA8 (NM\_018943) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TUBA8 (NM_018943) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUBA8
Synonyms:	CDCBM8; TUBAL2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113339 sequence for NM_018943 edited (data generated by NextGen Sequencing)

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ATGCGGGAATGCATATCAGTCCACGTGGGCCAAGCGGGAGTTCAGATTGGCAATGCCTGC
TGGGAGCTCTTCTGCCTGGAACACGGCATCCAGGCAGACGGCACTTTTGATGCTCAAGCT
AGCAAGATCAACGATGATGACTCCTTCACCACCTTTTTCAGCGAGACTGGCAATGGGAAG
CATGTGCCCGGGCCGTCATGATAGATCTGGAGCCTACTGTAGTGGATGAGGTTCCGGCA
GGAACCTACCGCCAGCTTCCATCCAGAGCAGCTGATCACAGGAAAGGAGGATGCAGCC
AACAACTATGCCCGGGGCCACTACACGGTGGGCAAGGAGAGCATTGACCTGGTGTGGAC
CGCATACGGAAGCTGACAGATGCTTGTCTGGCCTGCAGGGCTTCTGATTTTCCACAGT
TTTGGTGGGGGCACTGGTCCGGCTTCACTTCTCTGCTGATGGAACGCCTCTCCCTGGAT
TATGGCAAGAAATCCAAGCTGGAGTTTGGCATCTACCCAGCCCCCAGGTCTCTACTGCA
GTGGTGGAGCCCTACAACCTCCATCCTGACCACCCACACCACACTGGAACATTCAGATTGT
GCTTTCATGGTGGACAACGAAGCCATCTATGACATCTGCCGACAGAACCTTGACATTGAG
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TCTCTCCGCTTTGACGGGGCCCTCAATGTGGACCTCACTGAGTTCAGACCAACCTGGTG
CCCTACCCCGCATCCACTTCCCGCTGGTACCTACGCGCCCATCATCTGCGGAGAAA
GCCTATCACGAACAGCTCTCTGTGGCCGAGATAACCAGCTCCTGCTTTGAGCCCAACAGC
CAGATGGTGAAGTGGCACCAGACATGGCAAGTACATGGCCTGCTGCATGCTCTACCGG
GGCAGCTGGTGCCCAAGGATGTGAATGTCGCTATTGCTGCCATCAAGACCAAGAGGACC
ATCCAGTTTGTAGACTGGTGTCCACAGGCTTCAAGGTGGGCATCAACTACCAGCCCCCG
ACCGTGGTCCCCGGGGAGACCTGGCCAAGGTGCAGCGGGCCGCTGTCATGCTCAGCAAC
ACCACGGCATTGCGGAGGCTGGGCCCGCTCGACCACAAGTTCGACCTCATGTACGCC
AAGCGGGCCTTTGTGATTGGTATGTGGGAGAGGGGATGGAAGAAGGAGAATTTTCTGAG
GCCAGGGAAGACTTAGCTGCCCTGGAGAAGGATTATGAAGAAGTGGGGACTGATTCGTTT
GAAGAAGAAAATGAAGGGGAGGAATTTTAA

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Clone variation with respect to NM\_018943.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_018943 unedited</p> <pre> NGGGCAGTATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGTCACAAC GGCGGAGGCGGCTGTATCTGGAGCAGTCGGGGCGGGCAGGCCAGCTGATAGGTGCGCGG GCGAGGACAGCGGCAGCGATGCGGGAATGCATATCAGTCCACGTGGGCCAAGCGGGAGTT CAGATTGGCAATGCCTGCTGGGAGCTCTTCTGCCTGGAACACGGCATCCAGGCAGACGGC ACTTTTGATGCTCAAGCTAGCAAGATCAACGATGATGACTCCTTCACCACCTTTTTTCAGC GAGACTGGCAATGGGAAGCATGTGCCCGGGCCGTCATGATAGATCTGGAGCCTACTGTA GTGGATGAGGTTTCGGGCAGGAACCTACCGCCAGCTCTTCCATCCAGAGCAGCTGATCACA GGAAAGGAGGATGCAGCCAACAACATATGCCCGGGGCCACTACACGGTGGGCAAGGAGAGC ATTGACCTGGTGTGGACCCGATACGGAAGCTGACAGATGCTTGTCTGGCCTGCAGGGC TTCCTGATTTTCCACAGTTTTGGTGGGGGCACTGGCTCCGGCTTCACTTCTCTGTGATG GAACGCCTCTCCCTGGATTATGGCAAGAAATGCAAGCTGGAGTTTGCCATCTACCCAGCC CCCCAGGCTCTACTGCAGTGGTGGAGCCCTACAACCTCCATCCTGACCACCCACACCACA CTGTAACATTCAGATTGTGCTTTCATGGTGGACAACGAAGCCATCTATGACATCTGCCGC AGGAACCTTGACATTGAGCGCCCTACCTATACCAACCTCAACCGCCTCATCAGTCAGATT GTGTCCTCAATCACTGCTTCTCTCCGCTTGTGACGGGGCCCTCATGTGGACCTTACTGAG TTC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_018943 unedited</p> <pre> GGTCTCAGATATCCAATATTTCTGCCCTTGCATTTTNACTTCCCTCAAACGAATCAGTC CCCCTTCTTCATAATCCTTCTCCAGGCAGCTAAGTCTTCCCTGGCCTCAGAAAATTCTC CTTCTTCCATCCCCTCTCCACATACCAATGCACAAAGGCCCGCTTGGCGTACATGAAGT CGAACTTGTGGTTCGAGGCGGGCCAGGCCTCCGCAATGGCCGTGGTGTGCTGAGCATGC AGACGGCCCGCTGCACCTTGGCCAGGTCTCCCCGGGGACACGGTCGGGGGCTGGTAGT TGATGCCACCTTGAAGCCTGTGGGACACCAGTCTACAACTGGATGGTCTCTTGGTCT TGATGGCAGCAATAGCGACATTCACATCCTTGGGCACCACGTGCCCCGGTAGAGCATGC AGCAGGCCATGTACTTGGCATGTCTCGGGTGCCTTCCACATCTGGCTGTTGGGCTCAA AGCAGGAGCTGGTTATCTCGGCCACAGAGAGCTGTTCTGTGATAGGCTTTCTCGGCAGAGA TGATGGGCGCGTATGTGACCATCGGGAAGTGGATGCGGAGGTAGGGCACCAGGTTGGTCT GGAACCTCAGTGAGTCCACATTTGATGGCCCCGTCAAAGCGGAGAGAAGCAGTGATTGATG ACACATTTGACTGATGATGCGGTTGAAGTTTGTATAAGTAAGGCGCTCATGTCAAGGTT CCTGCGGCAGATGTCATAGATGGCTTCGTTGTCCACCATGAAAAGCACATTCTGAATGTT CCAGTGTGGCTGTAGGTGGTCAAGAATGAGTCGTAAGCCTCCACACTGCAGTANAGACCT GAGAGGCTGGGTAATGCAAACCTCAACTTGGATTTCTTGCCTTATTCAAGGAGAGGGGT TCATCCANCAGAAATGGAATTCGAGCCATGTGCCCCACCAAATCTGTGGAAATCAGTAT ACCCTGGAGGCACAAGAAGCCTCTGTTATCTCCCGTATGCGGCCAACACAAGATAATGCT TTCCTTN </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018943
<b>Insert Size:</b>	1710 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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>	<u><a href="#">NM_018943.1</a></u> , <u><a href="#">NP_061816.1</a></u>
<b>RefSeq Size:</b>	2018 bp
<b>RefSeq ORF:</b>	1350 bp
<b>Locus ID:</b>	51807
<b>UniProt ID:</b>	<u><a href="#">Q9NY65</a></u>
<b>Cytogenetics:</b>	22q11.21
<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>This gene encodes a member of the alpha tubulin protein family. Alpha tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. Mutations in this gene are associated with polymicrogyria and optic nerve hypoplasia. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>