

Product datasheet for **SC126317**

TUBA3D (NM_080386) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TUBA3D (NM_080386) Human Untagged Clone
Tag: Tag Free
Symbol: TUBA3D
Synonyms: H2-ALPHA; KTCN9; TUBA2
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_080386 edited
 GTTGCAGTTGGGCGCTCAGCAGCTGTGGCAGCCGGTTGAGGTCTGGCAGTAGCGTTGGGCG
 TGAAGCAGCGGAGTTCGCCATGCGCGAGTGTATCTCTATCCACGTGGGGCAGGCGGGTGT
 CCAGATCGGCAATGCCTGCTGGAACTGTACTGCCTTGAACATGGAATTCAGCCCGATGG
 CCAAATGCCAAGTGATAAAACCATTGGTGGCGGGACGACTCCTTCAACCGTTCTTCAG
 TGAGACTGGAGCTGGCAAGCACGTGCCAGAGCAGTGTGGTGGACCTGGAGCCACTGT
 GGTTCGATGAAGTGCACAGGGACCTACAGGCAGCTCTTCCACCCGGAGCAGCTGATCAC
 CGGGAAGGAAGATGCAGCCAATAATTACGCCAGGGGCCATTACACCATCGGCAAGGAGAT
 TGTTCAGCTAGTCTGGACCGGATCCGCAAACTGGCGGATCTGTGCACAGGACTGCAGGG
 CTTCTCATCTTCCACAGCTTTGGGGCGGCAGTGGCTCTGGGTTTCGCATCTCTGCTCAT
 GGAGCGGCTCTCAGTGGATTACGGCAAGAAGTCCAAGCTAGAGTTTGCCATTTACCCAGC
 CCCCCAGTCTCCACAGCCGTGGTGGAGCCCTACAACCTCATCCTGACCCACACAGC
 CCTGGAACATTCTGACTGTGCCTTCATGGTCGACAATGAAGCCATCTATGACATATGTGC
 GCGCAACCTGGACATTGAACGTCCCACGTACACCAACCTCAATCGCCTGATTGGGAGAT
 CGTGTCTCCATCACAGCCTCCCTGCGATTTGATGGGGCCCTGAATGTGGACTTGACGGA
 ATTCCAGACCAACCTAGTGCCGTACCCCGCATCCACTTCCCCCTGGCCACCTATGCCCC
 AGTCATCTCAGCTGAGAAGGCCTACCACGAGCAGCTGTCTGTGGCCGAGATCACCAATGC
 CTGCTTCGAGCCAGCCAATCAAATGGTCAAGTATGACCCTCGCCACGGCAAGTACATGCC
 CTGCTGCATGTTGTACAGGGGGGACGTGGTCCCCAAAGACGTCAACGCGGCCATCGCCAC
 CATCAAGACCAAGCGCACCATCCAGTTTGTGGATTGGTGGCCGACTGGATTTAAGGTGGG
 CATTAACTACCAGCCCCCACAGTGGTCCCCGGGGGAGACCTGGCCAAGTGCAGCGGGC
 CGTGTGCATGCTGAGCAACACCAGGCCATTGCGGAGGCCTGGGCCCGCTGGACCATAA
 GTTCGATCTCATGTATGCCAAGCGGGCCTTTGTGCACTGGTACGTGGGCGAAGGCATGGA
 AGAGGGAGAGTTCTCTGAGGCCCGGAGGACCTGGCAGCTCTAGAGAAGGATTATGAAGA
 GGTGGGCGTGGATTCCGTGGAAGCTGAGGCTGAAGAAGGCGAAGAATACTGAGGGGAGGG
 TGTGGTGGTTCTCCCCTGCCACCCCGGGATGGCTGCTCCAAGTTGTTTGAATTA
 GGTCTGTATAAAACCAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080386 unedited TATATTTGTATACGACTACTATAGGCGGCCGCATAAECTTCGTATAGCATACATTATACGA AGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGTGCGGCGCGG TGGGCAGGTCATTGCAGTTGGGCGCTCAGCAGCTGTGGCAGCCGGTTGAGGTCTGGAAGT AGCGTTGGGCTGAAGCAGCGGAGTTCGCCATGCGCGAGTGTATCTCTATCCACGTGGGGC AGGCGGGTGTCCAGATCGCAATGCCTGCTGGAACTGTACTGCCTTGAACATGGAATTC AGCCCCGATGGTCAAATGCCAAGTGATAAAACCATTGGTGGCGGGGACGACTCCTTCAACA CGTTCCTCAGTGAGACTGGAGCTGGCAAGCACGTGCCAGAGCAGTGTGTTGTGGACCTGG AGCCCACTGTGGTCGATGAAGTGCACAGGGACCTACAGGCAGCTCTTCCACCCAGAGC AGCTGATCACCGGAAGGAAGATGCAGCCAGTAATTACGCCAGGGGCCATTACACCATCG GCAAGGAGATTGTTGACCTAGTCTGGACCGTATCCGCANACTGGCGGATCTGTGCACAG GACTGCAGGGCTTCTCATCTTCCACAGCTTGGGGCGGCACTGGCTCTGGGTCGCATC TCTGCTCATGGAGCGGCTCTCAGTGGATTACAGCCAGAAGTCCAAGCTAGAGTTTGCCAT TTACCCAGCCCCCAGGCTCCACAGCCGTGTGGGACCCCTACACTTCTCCTAACACC CCCACGAACCTGGACATTCTGACTGGGCCTTATGGTCAACAATGAAGCCTTTTGAACCT TGTCGGCCCAACCTGAACATTGAACTCCCCAGTACACCAACCTAAATCCCTGGATGGGCA AATCGTGGCCTCCATCAGGCCTCCTGCCATTTGAAGGGGCCCTGAAGTGGACTTGG
Restriction Sites:	Please inquire
ACCN:	NM_080386
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:	<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_080386.1 , NP_525125.1
RefSeq Size:	1532 bp
RefSeq ORF:	1353 bp
Locus ID:	113457
UniProt ID:	Q13748
Cytogenetics:	2q21.1
Protein Families:	Druggable Genome
Protein Pathways:	Gap junction, Pathogenic Escherichia coli infection

Gene Summary:

This gene encodes a member of the alpha tubulin family. Tubulin is a major component of microtubules, which are composed of alpha- and beta-tubulin heterodimers and microtubule-associated proteins in the cytoskeleton. Microtubules maintain cellular structure, function in intracellular transport, and play a role in spindle formation during mitosis. [provided by RefSeq, Oct 2011]