

Product datasheet for **SC114364**

epsilon Tubulin (TUBE1) (NM_016262) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	epsilon Tubulin (TUBE1) (NM_016262) Human Untagged Clone
Tag:	Tag Free
Symbol:	epsilon Tubulin
Synonyms:	dj142L7.2; TUBE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114364 sequence for NM_016262 edited (data generated by NextGen Sequencing)

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ATGACCCAGTCGGTGGTCGTACAGGTCGGCCAGTGCAGAAACCAGATCGGCTGCTGCTTC
TGGGACCTGGCACTAAGGGAGCACGCCCGGTCAACCAGAAAGGAATTTATGATGAGGCA
ATAAGCAGCTTCTTTAGAAATGTGGACACCAGAGTGGTTGGTATGGTGGAAATTTCC
AAGGAAAAAATATGTTCTTTAAAAGCACGAGCAGTCTTGATTGATATGGAAGAAGGGTA
GTGAATGAAATTTCTCAGGGACCCTGAGAGATGATTTGATACGAAACAGCTCATCACT
GATATTTCTGGCTCAGGAAATAATTGGGCCGTGGGTACAAAAGTTTTCGGCAGTCTTTAC
CAAGACCAGATTTTAGAGAAATTCAGAAAGTCGGCAGAGCACTGTGATTGCTTGCAGTGT
TTCTTTATAATACATTCCATGGGAGGAGGAACAGGATCTGGACTTGGCACATTTCTTTTA
AAGGTGCTTGAAGACGAATCCAGAAATACAGATTTGTGACTTCCATTTATCCTTCT
GGTGAGGATGATGCATAACCTCACCTTATAATAGCATCTTGGCAATGAAGGAACCTAAT
GAGCATGCAGACTGTGATTGCCATTGACAATCAATCTTTATTTGACATCATTAGCAA
ATCGACCTCATGGTGAATCTGAAAAGTTGGGTACAACCTGTGAAGCCAAAGAGTCTGGTT
ACTTCAAGTTCTGGGGCTTTAAAAAGCAGCATAGAAGCCCTTTGATGCAATGAATAAC
ATTGTGGCAAATTTGCTCCTCAACCTAACGAGCTCTGCAAGATTTGAAGGTCCTTAAT
ATGGACCTTAATGAAATCAGCATGAATTTAGTTCTTTTCTCAACTTCAATTATCTCGTG
TCAAGCCTAACACCTCTGTATACACTGACAGATGTTAACATTCCTCCTAGAAAGATTGGAT
CAGATGTTTTAGATGCCTTTAGTAAAGATCACCAGCTGCTTCGGGCAGACCCCAACAC
AGTCTTTACCTCGCTGTGCACTCATGGTTAGAGGAAATGTACAAATTTAGATCTTCGT
AGAAATATTGAAAGATTTAAACCATCTCTACAATTTGTCTCCTGGAATCAAGAAGGCTGG
AAGACCAGCCTGTGTTCCGTACCTCCTGTGGGCCATTCTCATTGTTATTAGCTTTAGCA
AATAACACATGTGTGAAGCCACCTTCAATGGAAGTGAAGAGATTCATGAGGCTCTAC
AAGAAAAAGGCTCACCTTCACTACTATCTACAAGTTGAAGGGATGGAAGAAAGCTGTTTC
ACAGAAGCTGTGCATCTTTATCAGCACTCATAAGGAATATGACCAACTGGACGCCACA
AAAAACATGCCTGTGCAGGATTTACCCAGACTAAGCATAGCTATGTGA
    
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Clone variation with respect to NM_016262.4

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_016262 unedited
TGATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGCAGAAGCGGCC
GCGGGCTAGCAAGCTCCCGGAGCCGCGCGGCACCACCATGACCCAGTCGGTGGTCGTAC
AGGTGGCCAGTGCAGAAACCAGATCGGCTGCTGCTTCTGGGACCTGGCACTAAGGGAGC
ACGCCCGGTCAACCAGAAAGGAATTTATGATGAGGCAATAAGCAGCTTCTTTAGAAATG
TGGACACCAGAGTGGTTGGTATGGTGGAAATTTCCAAGGGAAAAATATGTTCTTTAA
AAGCAGCAGCAGTCTTGATTGATATGGAAGAAGGGTAGTGAATGAAATTTCTGCAGGGAC
CACTGAGAGATGATTTGATACGAAACAGCTCATCACTGATATTTCTGGCTCAGGAAATA
ATTGGGCCGTGGGTACAAAAGTTTTCGGCAGTCTTTACCAAGACCAGATTTTAGAGAAAT
TCAGAAAGTCGGCAGAGCACTGTGATTGCTTGCAGTGTCTTTTATAATACATTCCATGG
GAGGAGGAACAGGATCTGGACTTGGCACATTTCTTTAAAGGTGCTTGAAGACGAATTC
CAGAAATACAGATTTGTGACTTCCATTTATCCTTCTGGTGAGGATGATGCATAACCT
CACCTTATAATAGCATCTTGGCAATGAAGGAACNTATGAGCATGCAGACTGTGATTGC
CCATTGANCATCAATCTTTATTTGACATCATTAGCANAATCGACCTCATGGTGAANTNCT
GGNAAGTNNNGGTACACTGTGAAGCCCAAGAGTCTGGTTACTTCAAGTCTGGGGCTTT
AAAAAGCAGCANTAGAAGCCCTTTGATGCATGAAATACATTGGGGCAATTTGCTNCTCAC
CTACGAGCTTGCAGATTNGAGGGTCCTTATATGGACCTATGAATCACATGAAATAGTCC
TTTCTCACTCATATCTCG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016262 unedited GGGGGCCACANCCCCCTTTTTNNNNNGNTTCTTGNNACGGCCGCATCTTANGAT CGGTTTTTTTTTTTTTTTTGAAAAATAGCACTTTATTATAAAATCAATTGGTTTGAT AAGAAAGCAATTATTTAAAAAGTTTAATACAAATACATGTTAAGTGTACAAATTAGGATT CTTTTGGGCAACAAGTTGTTATCTAAAGAAGAAGCAAACCTCCTTAACAGTTGTAATA AAACCTATGCCTGAAAAGTTGGTGGCTATTACACGGAAATATTTATATTGTGTTCTTA CTCCCAATAACTACTTTTAAAGAATCAGGATAACTTAAATAGAATACAAAATATAAATT ATAAATAATTATAAAAAATATATCTGTACAAGATTTTTATTGAAGACACATCAGTGCAATA ATGCCTAAATATGAGGCTATAAATACAGCAAATATTCAAGAACTATGTTATCTCAATTT TAGAAAAGGGAACTTTTCTGAAGAGAAATGTTTGAAGTTAAGGTAAGGTAAGATTTCACTAA TTTCACACATTGGTATTACCAACAAATTGCGATTAACAGAAATCACTCTTTTAGACAAA ATATTTNCCGATAATATGAAAAAAGTGGAGTTTCCAAATTACAAAATGTTGAAACAGAA AGGTCAGAAAAACAATGTGAAAATAAGAAAGTATTTTTGAGGGTTTTCTTTTACATA GCTATGCTTAGTCTGGGTAATCCTGCCAGGCATGTTTTTTGTGGCCGCAATTGGTCA TAATTCTGTTGAGTGTGATAAGATGACCAAGCTTCTGGTGAACAGCTTTCTTTCAATC CTTTCACATGTNAAAAGGGAAGAAGGGGAGCCTTTTTTTTGAACCTATGAATCTTTTT TAAGTCCATGAAGTTGCCTTCACCCTGGGTTTATTGTTAAGCTATAACCAATGAAAATGG CCCCAGGAGGACCGAAACAAGGTTGGTCTTACCTTCTTGAATCCAG
Restriction Sites:	NotI-NotI
ACCN:	NM_016262
Insert Size:	2190 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:	<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:	<u>NM_016262.3</u> , <u>NP_057346.1</u>
RefSeq Size:	2096 bp
RefSeq ORF:	1428 bp
Locus ID:	51175
UniProt ID:	<u>Q9UJT0</u>
Cytogenetics:	6q21
Domains:	tubulin

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the tubulin superfamily. This protein localizes to the centriolar sub-distal appendages that are associated with the older of the two centrioles after centrosome duplication. This protein plays a central role in organization of the microtubules during centriole duplication. A pseudogene of this gene is found on chromosome 5.[provided by RefSeq, Jan 2009]