

## Product datasheet for **SC326934**

### TUBB8 (NM\_001164154) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TUBB8 (NM_001164154) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUBB8
Synonyms:	FLJ40100; RP11-631M21.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326934 representing NM_001164154. Blue=Insert sequence Red=Cloning site Green=Tag(s)

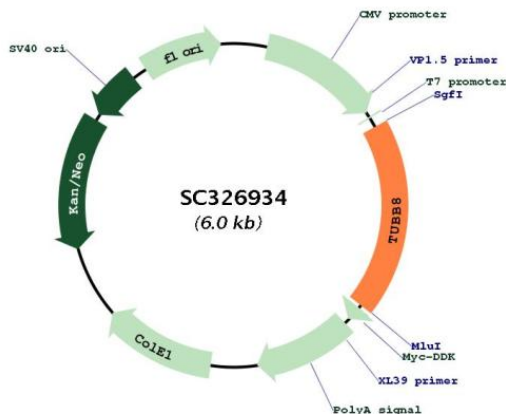
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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GGGGCCGAAACAACCTGGGCCAAGGGACTACACCGAAGGCGCGGAGCTGATGGAGTCAGTATGGAC
GTTGTGAGAAAGGAGGCTGAGAGCTGTGACTGCCTGCAGGGTTTCCAGCTGACCCACTCCCTGGGTGGG
GGGACTGGGTCTGGGATGGGTACCCTTCTGCTCAGTAAGATCCGGGAGGAGTACCCAGACAGGATCATA
AACACATTCAGCATCCTGCCCTCGCCAAGGTGTCGGACACCGTGGTGGAGCCCTACAACGCCACCCTC
TCAGTCCACCAGCTCATAGAAAACGAGATGAGACCTTTTGCATAGATAACGAAGCTCTGTATGACATA
TGTTCGAAGACCTAAAACCTGCCACACCCACCTATGGTGACCTGAACCCTGGTGTCTGCTACCATG
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ATGGTCCCCTTTCCCGGCTGCATTTTTCATGCCCGGCTTTGCCCCACTGACCAGCCGGGGCAGCCAG
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GTAACAAACAGCCGCTGTGACATCCACCCCGGGGGCTAAAAATGTCAGCCACCTTCATTGGGAATAAT
ACGGCCATCCAGGAACCTTCAAGCGTGTCTCAGAGCAGTTTACAGCAATGTTTCAGGCGCAAGCCCTTC
CTCCACTGGTACACGGGCGAGGGCATGGATGAGATGGAATTCACCGAGGCGGAGAGCAACATGAACGAC
CTGGTGTCTGAATATCAGCAATATCAGGATGCCACGGCCGAGGAGGAGGATGAGGAGTATGCCGAG
GAGGAGGTGGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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## Plasmid Map:



ACCN: NM\_001164154

Insert Size: 1119 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).

**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:**

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\\_001164154.1](#)

RefSeq Size: 1604 bp

RefSeq ORF: 1119 bp

Locus ID: 347688

Cytogenetics: 10p15.3

<b>Protein Pathways:</b>	Gap junction, Pathogenic Escherichia coli infection
<b>MW:</b>	41.8 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene represents the primary beta-tubulin subunit of oocytes and the early embryo. Defects in this gene, which is primate-specific, are a cause of oocyte maturation defect 2 and infertility. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>