

## Product datasheet for **SC115396**

### **BAMBI (NM\_012342) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BAMBI (NM_012342) Human Untagged Clone
Tag:	Tag Free
Symbol:	BAMBI
Synonyms:	NMA
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 SC115396 sequence for NM_012342 edited (data generated by NextGen Sequencing)

```
ATGGATCGCCACTCCAGCTACATCTTCATCTGGCTGCAGCTGGAGCTCTGCGCCATGGCC
GTGCTGCTCACCAAAGGTGAAATTCGATGCTACTGTGATGCTGCCCACTGTGTAGCCA
GGTTATATGTGTAATCTGAGCTCAGCGCCTGCTTCTCTAGACTTCTTGATCCTCAGA
TCAAATCCCCACTCACCCATGGCTGCCTGGACTCTTTGCAAGCAGACAGACATCTGC
CAAGCCAAACAGGCCCGAAACCACTCTGGCACCACCATACCCACATTGGAATGCTGTC
GAAGACATGTGCAATTACAGAGGGCTGCACGATGTTCTCTCTCCCAGGGGTGAGGCC
TCAGGACAAGGAAACAGGTATCAGCATGATGGTAGCAGAAACCTTATACCAAGGTGCAG
GAGCTGACTTCTTCCAAAGAGTTGTGGTTCCGGGCAGCGGTTCATTGCCGTGCCATTGCT
GGAGGGCTGATTTTAGTGTGCTTATTATGTTGGCCCTGAGGATGCTTCGAAGTAAAAAT
AAGAGGCTGCAGGATCAGCGGCAACAGATGCTCTCCCGTTTGACTACAGCTTTCACGGA
CACCATTCCAAAAAGGGCAGGTTGCAAAGTTAGACTTGGAAATGCATGGTGCCGGTCA
GGGCACGAGAACTGCTGTCTGACCTGTGATAAAATGAGACAAGCAGACCTCAGCAACG
AAGATCTCTCGCTTGTTCAGTGGGCACTGTACAGTGGGCACGGGAAGCTGGAATTCGTA
TGA
```

Clone variation with respect to NM\_012342.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_012342 unedited  
 TTTTGTAAACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGAGAGAGAGAGAG  
 AACTGGGCTGGCGCGGGCGGGAGCTGCGGCGGATACCCTTGCGTGCTGTGGAGACCCTAC  
 TCTCTTCGCTGAGAACGGCCGCTAGCGGGGACTGAAGGCCGGGAGCCACTCCCAGCCCG  
 GGGCTAGCGTGCCTCCCTAGAGTCGAGCGGGCAAGGGAGCCAGTGGCCGCCACGGGGG  
 ACCGGAAACTTTTCTGGGCTCCTGGGCGGCCCTGTAGCCGCGTCCATGCTCCGGCAG  
 CGGCCGAAACCCAGCCCGCCGCTGACGGCGCCCGCCGCTCCGGCAGGGCCCATGCC  
 TGC GCGCTCCGGGGTCTAGGCTGCGCGAGCCGGGGCTCCGGAAGCCGGCGGGGCG  
 CCGCGGCCGTGCGGGGCTCAATGGATCGCCACTCCAGCTACATCTTCATCTGGTGCA  
 CTGGAGCTCTGCGCCATGGCCGTGCTGCTACCAAAGGTGAAATTCGATGCTACTGTGAT  
 GCTGCCACTGTGTAGCCACTGGTTATATGTGTAATCTGAGCTCAGCGCCTGCTTCTCT  
 AGACTTCTTGATCCTCAGAACTCAAATCCCACTCACCATGGCTGCCTGGACTCTCTT  
 GCAAGCAGACAGACATCTGCCAAGCCAAACAGGCCGAAACCACTCTGGCACCACCATA  
 CCCACATTGGAATGCTGCATGAAGACATGTGCCATTACAGAGGGCTGCACGATGTTCTC  
 TCTCCTCAGGGGTGATGCCTCAGGACAAGGAACCAAGTATCACCATGATGTTAGCAGAAA  
 CTATACCAAGTCAAGAGCTGACTCCTCAAGAAGTGGTGGTCCGGGCAGCGGTATTG  
 CCGGCCCATG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_012342 unedited  
 GTCGGAGCTCCGCTGCGGGNNGAGAAAAAATTTTCTTTTTTGGTGGTTAGTTGGTT  
 TTTTTTCTTTTTGGGGGAGGCATACACATTGAAAAGTATCCGGAACACCTGGATC  
 AAAATGACCTTTGCTAGGTCACTCCAGAAATTGATCAATCATATCTGACCTGGTACACA  
 TAAATCCAGATCTCCTTCTAAATGAAGTCCATACCAGAGTTATCCTATAGCCAGAATG  
 GGGTAAGACACTAAAAGATGGGCAGTATACATTTAGAACTCCACACTGAAGAAAATT  
 ACACAGGCACATGGAAGAATAAGCAAGATCTTGGTCTTGTAAAAAAGAAAAGAGAAAA  
 AAAAAACCAAGCCACATCCTAGAGTTGAGAACAATTATTAACAGCAAATGGCCATTTG  
 TATAATTAACATGTACTGTCTCACGTTTCCAGTTAAATTTATGAAAGACACTATTAAT  
 TTCAGACAAAATATATATCCCTTTTAAATCTTTACAATAAATCAAGATGTAGAAGCTC  
 ACATAGGGCACATTTTTGCTTATTTAGGTAATCCAGCTCCCTTGGATGCAATAA  
 CCCTGGGACAGTGGGCACAAAGGCTTCTTTGCTTTTTATAATTTAAAGCAAATAAC  
 ACATTTAACTGCATTTAAGCCTGTGCCAAAAATCCCTTCAGAGGAAACATCCAAGAACT  
 GGTGCGCAGAGGTCACTTTGTCTCTCAAAGATGATTAAGAGAGCTTGGCCACCAAAAAAGG  
 GGCTCTGGCCAGCCAACTCACAAGGCCTCAAGCTGTCCAGTAAGGGGAGTTCAAATAG  
 ACTCCGTCATAGAAATCCAGTCCCGGCCCTGTCTGCCCCATGAACCCGAGAGAAC  
 TTACCGCTGAGCCGGCCTGCCAATTAACAGAC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_012342

**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).

<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_012342.2</a></u> , <u><a href="#">NP_036474.1</a></u>
<b>RefSeq Size:</b>	1732 bp
<b>RefSeq ORF:</b>	783 bp
<b>Locus ID:</b>	25805
<b>UniProt ID:</b>	<u><a href="#">Q13145</a></u>
<b>Cytogenetics:</b>	10p12.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a transmembrane glycoprotein related to the type I receptors of the transforming growth factor-beta (TGF-beta) family, whose members play important roles in signal transduction in many developmental and pathological processes. The encoded protein however is a pseudoreceptor, lacking an intracellular serine/threonine kinase domain required for signaling. Similar proteins in frog, mouse and zebrafish function as negative regulators of TGF-beta, which has led to the suggestion that the encoded protein may function to limit the signaling range of the TGF-beta family during early embryogenesis. [provided by RefSeq, Jul 2008]</p>