

## Product datasheet for **RR211494**

### **Bambi (NM\_139082) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bambi (NM_139082) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bambi
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211494 representing NM_139082 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCGCCACTCCAGCTACATCTTCATCTGGCTGCAGTTGGAGCTCTGCGCCATGGCTGTGCTGCTCA  
CCAAAGGCGAGATCAGATGCTACTGTGATGCCGCTCACTGTGGCAACTGGTTACATGTGTAAGTCCGA  
GCTTAGTGCTGCTTCTCCAGACTCCTTGATCCTCAGAACCAATTCCCCTAACCCACGGCTGCTG  
GACTCACTCGCAAGCACAGCAGACATCTGCCGAGCCAAACAGGCCAAAACCACTCTGGTCCCACCATGC  
CCACTTTGGAATGCTGTCATGAAGACATGTGCAATTACCGAGGACTGCATGATGCTCCTCTCCTCCCAA  
GAGTGAAGCCTCAGGACAAGGAAACAGATACCAGCATGACAGCAGCAGAAACCTCATCACTAAGGTGCAG  
GAGCTGACTTCTCCAAAGAACTGTGGTTCCGTGCAGCCGTGATCGCGGTTCCCATTGCTGGCGGACTGA  
TCTTGGTGTCTCATTATGTTGGCCTTGCGAATGCTGCGAAGTGAGAACAAGAGGCTGCAGGATCAGCG  
GCAGCAGATGCTCTCGTTTGCCTACAGCTTCCATGGACACCACTCCAAGAAGGGACAGGTTGCAAAG  
TTGGACTTAGAGTGCATGGTCCCCTCAGTGGCAGGAGAAGTGTGTCTGACCTGCGACAAAATGAGGC  
AAGCAGATCTCAGCAACGAGAAGATCCTCTCCCTGTGCACTGGGCATGTACAGTGGTCATGGGAAGCT  
GGAATTCGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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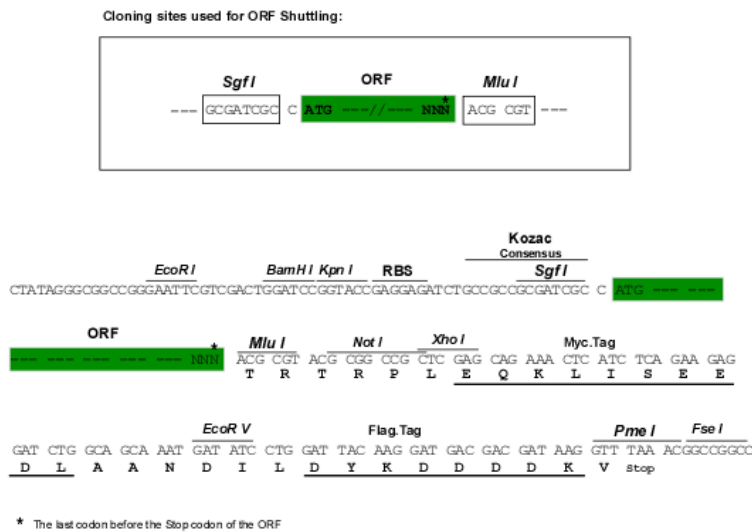
**Protein Sequence:** >RR211494 representing NM\_139082  
 Red=Cloning site Green=Tags(s)

MDRHSSYIFIWLQLELCAMAVLLTKGEIRCYCDAAHCVATGYMCKSEL SACFSRLLDPQNTNSPLTHGCL  
 DSLASTADICRAKQAQNHSGPTMPTLECCHEDMCNYRGLHDVL SPPKSEASGQGNRYQHDSSRNLITKVQ  
 ELTSSKELWFRAAVIAVPIAGGLILVLLIMLALRMLRSENKRLQDQRQQML SRLHYSFHGHSSKKGQYAK  
 LDLECMVPVSGQENCLTCDKMRQADLSNEKILSLVHWGMYSGHGKLEFV

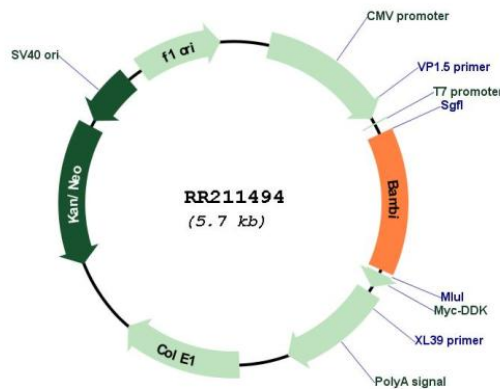
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_139082

**ORF Size:** 780 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_139082.3</a> , <a href="#">NP_620782.1</a>
<b>RefSeq Size:</b>	842 bp
<b>RefSeq ORF:</b>	783 bp
<b>Locus ID:</b>	83837
<b>UniProt ID:</b>	<a href="#">Q91XN4</a>
<b>Cytogenetics:</b>	17q12.1
<b>MW:</b>	29.1 kDa
<b>Gene Summary:</b>	Negatively regulates TGF-beta signaling.[UniProtKB/Swiss-Prot Function]