

## Product datasheet for **RR211234**

### **Tpbg (NM\_031807) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tpbg (NM_031807) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tpbg
Synonyms:	5T4; WAIF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR211234 representing NM\_031807  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTGGGGCGGGCTCCCGGGGCCCTCTGCCGGGACGACGGCTGCGGTTGGCAAGGCTGGCGCTAG  
 TGCTGCTGGGTTGGGTCTCCGCGTCGGCCCCAGCTCTTCGCTACCCTCGTCTTCCACCTCCCCGGCTGC  
 TTCTCTGGCTTCGGGTCTGCGCAGCCTCCGCCGGCCGAGCGATGCCCGCTGCGTGCGAGTGCTCCGAG  
 GCGGCGCGCACGGTTAAGTGCCTGAACCGAACCTGCTGGAGGTGCCTGCGGACCTGCCACCTTACGTGC  
 GCAACCTTTTCTCACTGGCAACCAGATGACCGTCTCCCGGCTGGCGCCTTCGCCCGCCAGCCGCCGT  
 CGCCGACCTGGCAGTGCTCAACCTCAGCGGCAACCACCTGAAGGAGGTGGGTGCAGGTGCCTTCGAGCAT  
 CTGCCCGCCTTCGCCGGCTTACCTCAGCCACAATCCTCTACCAACCTCAGCGCCTTCACCTTCGCGG  
 GCAGCAACGTGACGTCTCGACCCCAGCCCCATTGGAGCTGATCTTGAATCACATCGTGCCCTGAG  
 GGATCAGCGGCAGAAATGGGAGCTTCGAGGGCATGGTGGCCTTCGAGGGCATGGTGGCAGCTGCCCTGCGC  
 TAGGCCTTGACTCCGAGGGCTGCATCACCTAGAGCTGGCCAGCAATCACTTTCTTTACCTGCCTCGGG  
 ACTTATTGGACCAACTGCCAAGTCTCAAGCACCTGGACCTCAGGAACAACCTCCCTGGTGAGCCTGACCTA  
 TGCATCTTCCGCAACCTGACACACCTCGAAAGCCTCCACTTGGAGGACAATGCCCTCAAGGTCTTTCAC  
 AACTCCACCTTGGCTGAGTGGCAAGGCCTGGCTCATGTGAGGGTGTCTGGACAACAATCCCTGGGTTT  
 GTGACTGCTACATGGCTGACATGGTGTCTTGGCTTAAAGAGACAGAGGTGGTGCCGGATAAAGCCAGGCT  
 CACCTGCGCATCCAGAAAAATGAGGAACCGTGGCCTCTTGGACCTCACCAGCTCTGACCTGGACTGT  
 GACGCTACCCTCCCAATCCCTGCAGACTTCTATGTCTCTTAGGTATTGTTTTAGCTCTGATAGGCG  
 CTATTTTCTCTCGTTTTGTATTTGAACCGAAAGGCATAAAAAAGTGGATGCATAACATCAGAGATGC  
 CTGCAGGGATCACATGGAAGGGTATCATTACAGATACGAAATCAATGCGGACCCAGCTTAACAAATCTC  
 AGTTCCAACCTCGGATGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211234 representing NM\_031807  
 Red=Cloning site Green=Tags(s)

MPGAGSRGPSAGDGRLLRLALVLLGWVSASAPSSSLPSSSTSPAFLASGSAQPPPAERCPAACECE  
 AARTVKCVNRNLLLEVPADLPPYVRNLF LTGNQMTVLPAGAFARQPPLADLAVLNLSGNHLKEVGAGAFEH  
 LPGLRRLDL SHNPLTNLSAFTFAGSNVSVSTPSPLLELILNHIVPPEDQRQNGSFEGMVAFEGMVAALR  
 SGLALRGLHLELASNHFLYLPRDLLDQLPSLKHLDLRNNSLVSLTYASFRNLTHLESLHLEDNALKVLH  
 NSTLAEWQGLAHVRVFLDNNPWVDCYMDMVSWLKETEVVDPKARLTCAFPEKMRNRGLLDLTSSDLDC  
 DATLPQSLQTSYVFLGIVLALIGAIFFLLVLYLNRKGIKKWMHNIIRDACRDHMEGYHYRYEINADPSLTNL  
 SSNSDV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2546\\_f08.zip](https://cdn.origene.com/chromatograms/ja2546_f08.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_031807

**ORF Size:** 1278 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

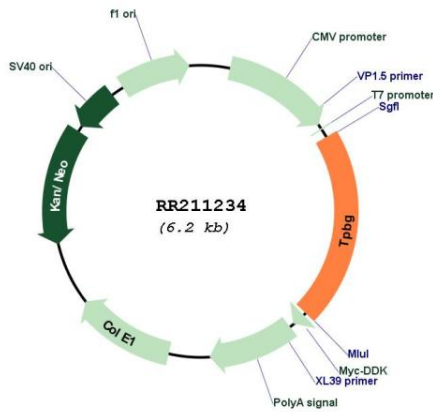
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_031807.1](#), [NP\\_113995.1](#)

RefSeq Size: 2333 bp  
 RefSeq ORF: 1281 bp  
 Locus ID: 83684  
 UniProt ID: [Q5PQV5](#)  
 Cytogenetics: 8q31  
 MW: 46.9 kDa  
 Gene Summary: mouse homolog is a highly N-glycosylated transmembrane glycoprotein [RGD, Feb 2006]

**Product images:**



Circular map for RR211234