

Product datasheet for **MC203294**

Tpbg (NM_011627) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpbg (NM_011627) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tpbg
Synonyms:	5T4; AW495680; WAIF1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058198
 GCAGCAGGAGCTGGGAAGGCGCGTGGACTCGGGTGGCCCTCGGAGTTGGCTTTGCAGGCGCGGGGTGCGG
 AGGTGCGTCATCCGATCCTGCCCTGAGAGAGGCGCCAACAAGGAGTTGAGGAGGTGCCACCCACCCAG
 CTGCGGCGGGAGGAGGAGCGCAAGGCCGTGTCCCGACCCGCGTGCCTACTACTGGAGGGAAGGGCG
 GGGTGCCGCTCCGGGAGGGGACGCCGGTGGCTCGGGTTAGCCAAGTCCAGCTTTGGCGTCCCCTC
 CTCTGCTCCACGCGAGAAAGTTTCCGTCGACGCTTGGCGCGGCTCGCGCCCGGGGCCAGGCGG
 TCGAGTCTTCGGAGCGGGCGCTGTCCAGCTCCGGGAACCGCGAGCCGCGATGCCTGGGGCGGGTCCC
 GGGGCCCTCCGCGGGGACGGACGGCTGAGTTGGCAAGGCTGGCGCTAGTGTCTGGTTGGGTCTC
 CGCGTCCGCCCCAGCTCTTCGGTACCCTCGTCTTCCACCTCCCGGCGAGCCTTCTGGCCTCGGGTCT
 GCGCAGCCTCCGCCAGCCGAGAGATGCCCGCGGCGTGCAGTGTCCGAGGCGGCGCACGGTTAAGT
 GCGTGAACCGCAACCTGCTGGAGGTGCCGGCGGATCTACCGCCTTACGTGCGCAACCTTTTCTTACCGG
 CAACCAGATGACCGTCTCCCGCGGGCGCCTTCGCCCGCAGCCGCGCTCGCCGACCTGGAGGCGCTC
 AACCTCAGCGCAACACCTGAAGGAGGTGTGTGACGGTGCCTTCGAGCATCTGCCGGTCTGCGCCGGC
 TTGACCTCAGCCACAACCTCTACCAACCTCAGCGCCTTCGCCCTTTCGGGCGAGCAACGCCAGCGTCTC
 GGCCCCAGCCCCCTGGAGGAGCTGATCTGAATCACATCGTCCCCCTGAGGATCAGAGGCAGAACGGG
 AGCTTCGAGGGTATGGTGGCCTTCGAAGGCATGGTGGCAGCAGCTCTGCCCTCAGGCCTTCACTCCGAG
 GTCTTACATGCCTGGAGCTAGCCAGCAATCACTTTCTTTCTGCCTCGGACTTACTAGCCCAACTGCC
 GAGTCTCAGATACCTGGACCTCAGGAACAATCCCTGGTGGCCTGACCTACGCATCCTTCCGCAACCTG
 ACACACCTCGAAAGCCTCCACTTGGAGGACAATGCCCTCAAGGTCTTCACAACTCCACCTTGGTGAGT
 GGCAAGGCTGGCTCATGTCAAGGTGTTCTGGACAACAATCCCTGGGTTTGGGACTGCTACATGGCTGA
 CATGGTGGCTTGGCTTAAAGAGACAGAGGTGGTCCAGATAAAGCCAGGCTTACCTGCGCATTCCCGGAG
 AAGATGAGGAATCGTGGCCTCTTAGACCTCAACAGCTCTGACCTGGACTGTGACGCTGCCTTCCCAAT
 CCCTGCAGACTTCTATGTCTTCTAGGTATTGTTTTAGCTCTGATAGGCGCTATTTTCTCCTCGTTTT
 GTATTTGAACCGTAAAGGCATAAAAAAGTGGATGCATAACATCAGAGATGCCTGCAGGGATCACATGGAA
 GGGTATCATTACAGATACGAAATCAATGCGGACCCAGATTAACAAATCTTAGTTCCAACCTCGGATGCT
 GAGAAACAGGACCCATCAAGGAGGACTCTGCATGAGGTGTAGACTTAAGGGTTTTTTTTTCCCCTTAC
 TAGGCTTGCTCCACTTCCACACTTACCCTAGACACTATTGACTTTGATCCTTGTATGAAAAATCCCGG
 TGTGTTCTGTTAATGTAAGGACATGAACAACCTGCACATGTTTATTTTCCCTTTCCTTCCGTACTCCTC
 GATGCCTCGGAGGGATTGTTTTTTTTTCTCTCTCTCAAGTCGCAGCATGGACTTGGATTAGTTCAGT
 TCAAGGTGTAGCACAGATAACATTCAACGGAAGCTGCCTCAGTTTTTTTTTTTTTTTGGAGAAAAGTACTT
 TATTCATAAATATGAGTTTCATCCTCACCTAACCTAAATGATGGAGGAAATATTGCATCCCCAACTGCCT
 GCAGACCTAGCAAGCTTACATAGAACTTTGTAGTGCATAGGAGCACCTGCATCCAAGAGCATGCGTA
 CATTTTACTGTTCTGCATATTAAGAAAGAAAAGTTGCAACTTCAGATAACTTCTTTGACAAAATAATTA
 CTTTTGATTGCAGTTTATAGGAAACTGACCTGAGATTTTTCGGTGTTTTTTTTTTGTTGTTGTTTGG
 TTTTGTGTTGTTTGTGTTTTTAAATAAACTGCATTGAGATCCAACAACTGGATTGTTATAAAAAATCAA
 TAAAGAATCTTAAAGAAAAAAGAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_011627

Insert Size: 1281 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:

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: [BC058198](#), [AAH58198](#)

RefSeq Size: 2423 bp

RefSeq ORF: 1281 bp

Locus ID: 21983

UniProt ID: [Q9Z0L0](#)

Cytogenetics: 9 E3.1

Gene Summary: May function as an inhibitor of Wnt/beta-catenin signaling by indirectly interacting with LRP6 and blocking Wnt3a-dependent LRP6 internalization.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.