

Product datasheet for **MR206796**

Tpbg (NM_011627) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpbg (NM_011627) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tpbg
Synonyms:	5T4; AW495680; WAIF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206796 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGGGGCGGGCTCCCGGGGCCCTCCGCCGGGACGGACGGCTGAGGTTGGCAAGGCTGGCGCTAG
 TGCTGCTGGGTTGGGTCTCCGCGTCGGCCCCAGCTCTTCGGTACCCTCGTCTTCCACCTCCCCGGCAGC
 TTCTCTGGCCTCGGGTCTGCGCAGCCTCCGCCAGCCGAGAGATGCCCGCGCGCTGCGAGTGCTCCGAG
 GCGGCGCGCACGGTTAAGTGCCTGAACCGAACCTGCTGGAGGTGCCGGCGGATCTACCGCTTACGTGC
 GCAACCTTTTCTTACCGCAACCAGATGACCGTCTCCCGCGGGCGCCTTCGCCCGCCAGCCGCCGT
 CGCCGACCTGGAGGCGCTCAACCTCAGCGGCAACCACCTGAAGGAGGTGTGTGCAGGTGCCTTCGAGCAT
 CTGCCGGTCTGCGCCGGCTTGACCTCAGCCACAACCCTCTACCAACCTCAGCGCCTTCGCCTTTGCGG
 GCAGCAACGCCAGCGTCTCGGCCCCAGCCCCGGAGGAGCTGATCCTGAATCACATCGTGCCCTGTA
 GGATCAGAGGCAGAACGGGAGCTTCGAGGGTATGGTGGCCTTCGAAGGCATGGTGGCAGCAGCTCTGCC
 TCAGGCCTTGACTCCGAGGTCTTACATGCCTGGAGCTAGCCAGCAATCACTTTCTTTCTGCCTCGGG
 ACTTACTAGCCAACTGCCGAGTCTCAGATACCTGGACCTCAGGAACAATTCCTGGTGAGCCTGACCTA
 CGCATCCTTCCGCAACCTGACACACCTCGAAAGCCTCCACTTGGAGGACAATGCCCTCAAGGTCTTAC
 AACTCCACCTTGCTGAGTGGCAAGGCCTGGCTCATGTCAAGGTGTTCTGGACAACAATCCCTGGGTTT
 GCGACTGCTACATGGCTGACATGGTGGCTTGGCTTAAAGAGACAGAGGTGGTGCCAGATAAAGCCAGGCT
 TACCTGCGCATCCCGGAGAAGATGAGGAATCGTGGCCTTTAGACCTCAACAGCTCTGACCTGGACTGT
 GACGCTGCTCTCCCAATCCCTGCAGACTTCTATGTCTTCTAGGTATTGTTTTAGCTCTGATAGGCG
 CTATTTTCTCTCGTTTTGTATTTGAACCGTAAAGGCATAAAAAAGTGGATGCATAACATCAGAGATGC
 CTGCAGGATCACATGGAAGGGTATCATTACAGATACGAAATCAATGCGGACCCAGATTAACAAATCTT
 AGTTCCAACCTCGGATGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206796 protein sequence
 Red=Cloning site Green=Tags(s)

MPGAGSRGPSAGDGRLLRLALVLLGWVSASAPSSSVPSSTSPAFLASGSAQPPAERCPAACECE
 AARTVKCVNRNLLLEVPADLPPYVRNLF LTGNQMTVLPAGAFARQPPLADLEALNLSGNHLKEVCAGAFEH
 LPGLRRLDL SHNPLTNLSAFAGSNASVSAPSLEELILNHIVPPEDQRQNGSFEGMVAFEGMVAAALR
 SGLALRGLTCL ELASNHF LFLPRDLAQLPSLRYLDRNNSLVSLTYASFRNLTHLESLHLEDNALKVLH
 NSTLAEWQGLAHVKVFLDNNPWVDCYMDMVAWLKETEVVDPKARLTCAFPEKMRNRGLLDLNSSDLDC
 DAVLPQSLQTSYVFLGIVLALIGAIFFLLVLYLNRKGIKKWMHNIIRDACRDHMEGYHYRYEINADPRLTNL
 SSNSDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_011627

ORF Size: 1281 bp

OTI Disclaimer: 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_011627.1](#), [NM_011627.2](#), [NM_011627.3](#), [NM_011627.4](#), [NP_035757.2](#)

RefSeq Size: 3618 bp

RefSeq ORF: 1281 bp

Locus ID: 21983

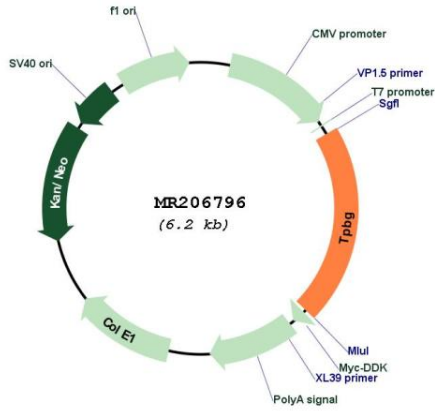
UniProt ID: [Q9Z0L0](#)

Cytogenetics: 9 E3.1

MW: 46.4 kDa

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]

Product images:



Circular map for MR206796