

Product datasheet for **MG222550**

Tpbg (NM_001164792) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpbg (NM_001164792) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tpbg
Synonyms:	5T4; AW495680; WAIF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222550 representing NM_001164792 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGGCGGGCTCCCGGGGCCCTCCGCCGGGACGGACGGCTGAGGTTGGCAAGGCTGGCGCTAG
TGCTGCTGGGTTGGGCTCCGCGTCGGCCCCAGCTCTTCGGTACCCTCGTCTTCCACCTCCCGGCAGC
CTTCTGGCCTCGGGTCTGCGCAGCCTCCGCCAGCCGAGAGATGCCCGCGGCGTGCAGTGCTCCGAG
GCGGCGGCACGGTTAAGTGCCTGAACCGCAACCTGCTGGAGGTGCCGGGATCTACCGCCTTACGTGC
GCAACCTTTTCTTACCGCAACAGATGACCGTCTCCCGCGGGCGCCTTCGCCGCCAGCCCGCCT
CGCCGACCTGGAGGCGCTCAACCTCAGCGCAACCACTGAAGGAAGTGTGTGCAAGTGCCTTCGAGCAT
CTGCCGGTCTGCGCCGGCTTGACCTCAGCCACAACCTCTCACCAACCTCAGCGCCTTCGCTTTGCGG
GCAGCAACGCCAGCGTCTCGGCCCCAGCCCCCTGGAGGAGCTGATCCTGAATCACATCGTCCCCCTGA
GGATCAGAGGCAGAACGGGAGCTTCGAGGGTATGGTGGCCTTCGAAGGCATGGTGGCAGCAGCTCTGCGC
TCAGGCCTTGCACTCCGAGGTCTTACACGCTGGAGCTAGCCAGCAATCACTTTCTTTCTGCCTCGGG
ACTTACTAGCCCAACTGCCGAGTCTCAGATACCTGGACCTCAGGAACAATCCCTGGTGAAGCTGACCTA
CGCATCCTTCCGCAACCTGACACACCTCGAAAGCCTCCACTTGGAGGACAATGCCCTCAAGTCCCTCAC
AACTCCACCTTGGCTGAGTGGCAGGCTGGCTCATGTCAAGGTGTTCTGGACAACAATCCCTGGGTTT
GCGACTGCTACATGGCTGACATGGTGGCTTGGCTTAAAGAGACAGAGGTGGTGCCAGATAAAGCCAGGCT
TACCTGCGCATTCCCGGAGAAAATGAGGAATCGTGGCCTTTAGACCTAACAGCTCTGACCTGGACTGT
GACGCTGTCTTCCCAATCCCTGCAGACTTCTATGTCTTCTAGGTATTGTTTTAGCTCTGATAGGCG
CTATTTTCTCTCGTTTTGATTTGAACCGTAAAGGCATAAAAAAGTGGATGCATAACATCAGAGATGC
CTGCAGGGATCACATGGAAGGTATCATTACAGATACGAAATCAATGCGGACCCAGATTAACAAATCTT
AGTTCCAACCTCGGATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222550 representing NM_001164792
 Red=Cloning site Green=Tags(s)

MPGAGSRGPSAGDGRLLRLALVLLGWVSASAPSSSVPSSTSPAFLASGSAQPPPAERCPAACECE
 AARTVKCVNRNLLLEVPADLPPYVRNLF LTGNQMTVLPAGAFARQPPLADLEALNLSGNHLKEVCAGAFEH
 LPGLRRLLDL SHNPLTNLSAFAFAGSNASVSAPSLEELILNHI VPPEDQRQNGSFEGMVAFEGMVAALR
 SGLALRGLTRLELASNHFLFLPRDLLAQLPSLRYLDRNNSLVSLTYASFRNLTHLESLHLEDNALKVLH
 NSTLAEWHLAHVKVFLDNNPWVCDYMDMVAWLKETEVVDPKARLTCAFPEKMRNRGLLDLNSSDLDC
 DAVLPQSLQTSYVFLGIVLALIGAI FLLVLYLNRKGIKKWMHNIRDACRDHMEGYHYRYEINADPRLTNL
 SSNSDV

TRTRPLE - GFP Tag - V

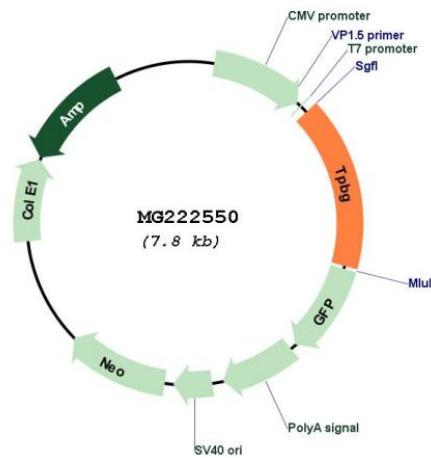
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001164792

ORF Size:	1278 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:	<ol style="list-style-type: none">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_001164792.1 , NP_001158264.1
RefSeq Size:	3509 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]