

## Product datasheet for MG201138

### Jpt1 (NM\_008258) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Jpt1 (NM\_008258) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Jpt1  
**Synonyms:** Hn1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201138 representing NM\_008258  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGACCACTACCACTACCTTTAAGGGTGTGGACCTAACAGCAGGAACAGCTCCCGGTTTTGCGGCCTC  
 CAGGTGGTGGTCCAATTTTTCATTAGGCTTTGATGAGCCAGCAGAACAGCCTGTGAGGAAGAACAAGAT  
 GGCTTCTAACATCTTTGGGACACCGGAAGAGAACCCCCCATCTTGGGCCAAGTCAGCAGGTTCCAAGTCT  
 AGTGGTGGCAGGAAGATTCGGAGTCGCCTGGAACACAGAGAAGTAAGTCTTCTGAAGCAAGCTCTGGAG  
 ATTTCTTAGACCTCAAGGAGAAGGTGATATGCATGAAAATGTGGACACAGACTTCCAAGCCAACCTGGC  
 GCAGATGGAGGAGAAGCCAGTGCCCGCTGCTCCTGTGCCAGCCAGTGGCTCCAGCCCCAGTGCCATCC  
 AGGAGAAACCCCTGGCGGCAAGTCCAGCCTGGTCTTGGGT

ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201138 representing NM\_008258  
 Red=Cloning site Green=Tags(s)

MTTTTTFKGVDPNSRNSRVLRPPGGGNSFSLGFDEPAEQPVRKNKMASNIFGTPEENPPSWAKSAGSKS  
 SGGREDESPTQQRNSSEASSGDFLDLKGEGDMHENVDTDFQANLAQMEEKPVPAAPVPSVPAPVPS  
 RRNPPGGKSSLVLG

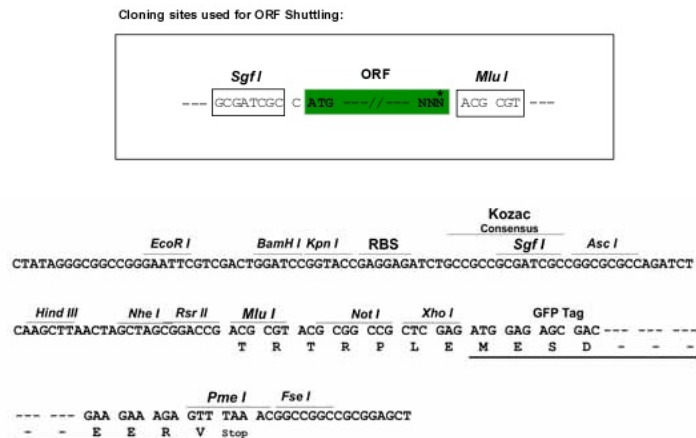
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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## Cloning Scheme:



ACCN: NM\_008258

ORF Size: 462 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\\_008258.2](#)

RefSeq Size: 1384 bp

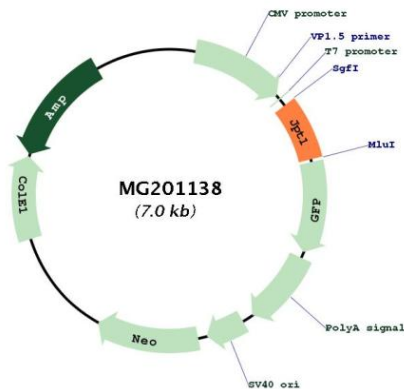
RefSeq ORF: 465 bp

Locus ID: 15374

UniProt ID: [P97825](#)

<b>Cytogenetics:</b>	11 80.84 cM
<b>Gene Summary:</b>	Modulates negatively AKT-mediated GSK3B signaling. Induces CTNNB1 'Ser-33' phosphorylation and degradation through the suppression of the inhibitory 'Ser-9' phosphorylation of GSK3B, which represses the function of the APC:CTNNB1:GSK3B complex and the interaction with CDH1/E-cadherin in adherent junctions (By similarity). Plays a role in the regulation of cell cycle and cell adhesion (PubMed:25450365). Has an inhibitory role on AR-signaling pathway through the induction of receptor proteosomal degradation (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG201138