

## Product datasheet for **MG211350**

### Prrt3 (NM\_172487) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prrt3 (NM_172487) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prrt3
Synonyms:	6330505P20; B230206N24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG211350 representing NM\_172487  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCCAGCCCCAGGCCTGCACATCTCTCTTCTGTGTTGCTGCTGCCATGCCTGGGGGCTGGCC  
 CTGCCTTGGGCAGAGCCCTCCAGGCCCTGGAGAACTCAGAACCTCACATGATCCCATCAGAGTCACA  
 GACCTTTGACCTCTTCTGGGAGAAGCTGAGAAATGAGAGTTCTGGCACAGCGGTGACCCCTCAGGCCGT  
 GCTGAGGGGCCAAGAAGCCGCAGACCCTTACCTAGGACCAGCCCTGCATGGGCCAAGGCAGCCCTG  
 GGGTCCAAGGTGAAAGACTACTAAGAGCTGATGACCTCCAGCTGGCCCGAGCATTACCTCCAAGGCTG  
 GACAGGACCTCTGACTCACAGGAGCTTCTGGAGCCTGAGGCACCAGAACCCACCCTGTGCGAGCACCT  
 CGTCTCACTCTTGTCACTACAACCTCCAGCTCCCTACTCTCGGCAGCCATACTTTCCACTGCCTCCCAGA  
 AGCCTGGAGGCACAGCAGGGCAGCAGCCAGCTAGGAACGAGGAGCTAATAATGGTCAAAGCCGAGACCCA  
 CATCACACAGGCTTCCCCTGGGACTTCCAGGGCTCTTCCACACTCCGGTACCCGAGACAGATGCTGTG  
 AGGACCGTGGTGTGGGGAAGCAGGGGGGACATGAACAGGGCTTCCAGGAGGCTGTCCAGGGTCCCCTAC  
 TCACCCAGCAGGATCCAGTAGTCCCTGGGGTGGCTCAACACCCCCAGTTAAAGTGGAAATCCACCCCA  
 GCCTGGAGCCAGCTCGACCTGGCATTGGTCAGAAGCCTTCTCTTCTGAGGGGCTGCCAGCTGAACCC  
 CCCAAACTGGAGCTGGGGATACCTGGGAAGTCAGCTCTCTGGGACCCCAACCAGAACAGACCGATCTCC  
 TTGGAGGACAAGATCCCAGCACCCAGCCTATACCACCTTCAGCCTCAGACACTTCTGATGGGCACCT  
 AAGACCAGTATCCTCGCTGAATGGAGCCGACCCATCTCCCCACAACGTGTGAGAGGAGCGATGGAGGCC  
 CCAGGAACCCCAAGTCTTTCATCCCTGACCTTCCAAATCTGCTCAAGCTGCAAATGGAACAGAGAGCC  
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 GGTGGGGGTGCTTTTCTGCTTCCAGCATTATTGGCATTGGTCACAGTGGCAGCCGCCCTAGCGGGACCC  
 CGATTAGCACTAGTGGCTGCCGCGCTGGTATTGGTGGCTTCCAGGGCTGCGATCTGCCTACATGCTCACGG  
 ATCCTTATGGCTCTCAGGCGGACTGGGAGTACGTGCAGGTCTGGTGCTATACAACTGCCCTTCCCCTT  
 GCTACTACTGCACTGGCAGCACTACCCTGCTGGCTTGGGTGCTGGTCTGCCACAGCCTCTGCAGAAG  
 CCGCTGCTGCTGGGAATTGTGGCACCGGTGCATGGCACATGTTTGTGGTACAGACCTGTTCTCCACCA  
 GCCTGTGCTCAACCTTCTAACACAAGGCTTATCTTGGCCTGGGGCGCCTCAGTGGCTCTGGGCACACT  
 CTGCCTGTGCCGTGACGCTGCTGGAAGGCCCTCGGGGCTGGGATGCCAGTCCAGGGCCCCGGCTGTTG  
 GCTGTGGCGGGCTCACTGGGGCTGTTGGCCAGTGGTCTGCAGTTGGCGGCCCTCTCTGGCTGTACCCAG  
 GGCTGGCCGGGAGGGTTCGCTTCTCCTGGGCTTGGTGGGGCGTCACTTCTGGCTGCGCCTGCTGGAATT  
 GACCTGGGCACTGGCCCTGGCGTAGCTGCCCTGGCTGCCACTCGTCCCAGGCCGCCACGGAGCACGCT  
 TGCTGGGCTAAGCTGCTGCGTCTGGCGTGCCCGCGCCTACAGGGAAGAGCGAAGTTCCCGAGAGACCCA  
 ATAAGTGTATGGGGGCCAGTGGCTGGGCACAGCGGCCCTGGACATCAGCAAAAGTCTCATCCGCAA  
 CGCTGCTGGGGAAGCTGGGCTTCTGTCACTCCTGGTTCTGGACCCTGGGGTTCGGCTGCATCGCTGGGT  
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 GCTCGCTACCGAGGTGTGCTTGCACAGTCTCCCGCAGCACGTGATGGAGCCGCCGCTCGGCGCGGC  
 GGCCGCGGGGACTTCGGGAGCTCCCTGGACAGTTTCTCCAAGGGCTCGCTGAAGATCAGCTGGAACCCG  
 TGCGGTACAGGGTGTGCTCCGTGGACAGCCTGCCCTAGATGAACTGCCAGCACCGTGCAGCTGCTGC  
 CACCACCTACCCAGTCCCTGCTCCTGCCGGGGGGGAGCCTCAGGGCGAGGGCCAGTCCGCTTGCAA  
 GTCCAGCGAGTCTCACAGCGCCTCTAGTGACACTATAGAGCTC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >MG211350 representing NM\_172487  
 Red=Cloning site Green=Tags(s)

MAPSPQACTSPLLLLLLPCLGAGPALGRGLPRPLENSEPHMIPSESQTFDLFWEKLRNESSWHSQDPQAR  
 AEGPKPADPYLGPALHGPKAAPGVQGERLLRADDLQLARAFTSQGWTGPPDSQELLEPEAPEPHVVRAP  
 RLTLVTTTPSSLLSAAIILSTASQKPGGTAGQPARNELIMVKAETHITQASPWFQGSSTHPVETDAV  
 RTLVLGKQGGHEQGFQEA VQGPLLTQQDPVVPVGVGSTPPVKVSTPEPGAQLDLALVRSPLPEGLPAEP  
 PKTGAGDTWEVSSLGPQPEQTDLLGGQDSPAPQPIPPSASDTS DGHLRPVSSLNGADPISPQRVGAMEA  
 PGTPKFSIPDLNPSAQAANGTESPVRALQPDEAEDWPGRPQSHPPAPPVQAPSTSRRGLVRVTTQRALGQ  
 PLPPEPSASSIVIPASSPPANATAPPLRWGLRRLVLSFVSWELHVVYGVGVLFLLPALLALVTVAALAGP  
 RLALVAAALVVASGLRSAYMLTDPYGSQARLGVRAGLVLYNLPFLLL TALAAL TLLGLGAGLPQPLQK  
 PLLLGI VAPVHGTCLLATDLFSTSPVLNLLTQGLSCAWGASVALGTLCLCRRRLLEGPRGWDASPGPRL  
 AVAGSLGLLASGLQLAASLWLYPGPGREGRF SWAWWGVHFWLRLEL TWALALALAALATRPRPTEHA  
 CWAKLLRLACAPT GKSEVPERPNNCYAGPSGLGTGGLDISKSLIRNAAGEAGLPVTPGSGPWGSAASLG  
 RGRPGGQRMSRGSVGPAPSLSELDLRPPSPINLSRSIDAALFREHLVRESVVFQRCGLRGLASSPTGGALR  
 PRRGSQPDALDAGTSLLRGRCSL TEVCLRTSLPQHVM EPPVGA AAGTSGSSLDSFSGKSLKISWNP  
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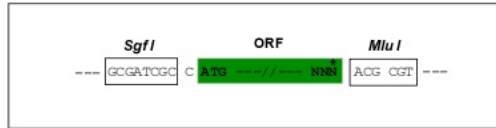
TRTRPLE - GFP Tag - V

**Restriction Sites:**

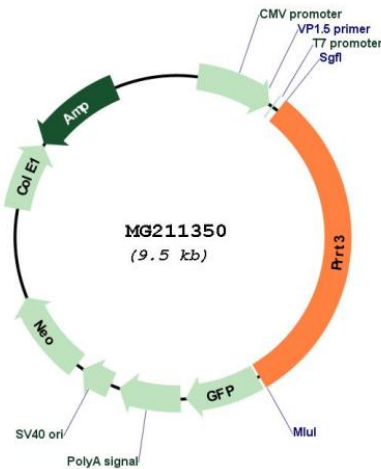
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_172487

**ORF Size:** 2913 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\\_172487.4](#), [NP\\_766075.2](#)

**RefSeq Size:** 3304 bp

**RefSeq ORF:** 2916 bp

**Locus ID:** 210673

**UniProt ID:** [Q6PE13](#)

Cytogenetics: 6 E3