

## Product datasheet for **MR231447**

### **Prrt3 (NM\_001289699) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Prrt3 (NM_001289699) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prrt3
Synonyms:	6330505P20; B230206N24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR231447 representing NM\_001289699  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCCCAGCCCCAGGCCTGCACATCTCTCTTCTGCTGTTGCTGCTGCCATGCCTGGGGGCTGGCC  
 CTGCCTTGGGCAGAGCCCTCCAGGCCCTGGAGAACTCAGAACCTCACATGATCCCATCAGAGTCACA  
 GACCTTTGACCTCTTCTGGGAGAAGCTGAGAAATGAGAGTTCTGGCACAGCGGTGACCCCTCAGGCCGT  
 GCTGAGGGGCCAAGAAGCCCGCAGACCCTTACCTAGGACCAGCCCTGCATGGGCCAAGGCAGCCCTG  
 GGGTCCAAGGTGAAAGACTACTAAGAGCTGATGACCTCCAGCTGGCCCGAGCATTACCTCCAAGGCTG  
 GACAGGACCTCTGACTCACAGGAGCTTCTGGAGCCTGAGGCACCAGAACCCACCCTGTGCGAGCACCT  
 CGTCTCACTCTTGTCACTACAACCTCCAGCTCCCTACTCTCGGCAGCCATACTTTCCACTGCCTCCAGA  
 AGCCTGGAGGCACAGCAGGGCAGCAGCCAGCTAGGAACGAGGAGCTAATAATGGTCAAAGCCGAGACCCA  
 CATCACACAGGCTTCCCCTGGGACTTCCAGGGCTCTTCCACACTCCGGTACCCGAGACAGATGCTGTG  
 AGGACCGTGGTGTGGGGAAGCAGGGGGACATGAACAGGGCTTCCAGGAGGCTGTCCAGGGTCCCCTAC  
 TCAACCAGCAGGATCCAGTAGTCCCTGGGGTGGCTCAACACCCCCAGTTAAAGTGGAAATCCACCCCA  
 GCCTGGAGCCAGCTCGACCTGGCATTGGTCAGAAGCCTTCTCTTCTGAGGGGCTGCCAGCTGAACCC  
 CCCAAACTGGAGCTGGGATACCTGGGAAGTCAGCTCTCTGGGACCCCAACCAGAACAGACCGATCTCC  
 TTGGAGGACAAGATCCCAGCACCCAGCCTATACCACCTTCAGCCTCAGACACTTCTGATGGGACCT  
 AAGACCAGCAGTATCCTCGTGAATGGAGCCGACCCCATCTCCCACAACGTGTGAGAGGAGCGATGGAG  
 GCCCCAGGAACCCCAAGTCTTTCATCCCTGACCTTCAAATTCGCTCAAGCTGCAAATGGAACAGAGA  
 GCCCTGTGAGGGCCCTGCAGCCAGATGAAGCCGAGGATTGGCCGGTGCAGCCAAAGCCACCCTCCAGC  
 ACCCCCTGTCCAGGCCCTCGACATCTCGGCGTGGTCTCGTTAGAGTACCACACAGAGAGCTCTGGGC  
 CAGCCACTCCCTCCGAGCCCTCAGCCAGCTCCATAGTCCCATCCCAGCTTCTAGCCCCCAGCCAATG  
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 CCCCATTAGCACTAGTGGCTGCCGCGCTGGTATTGGTGGCTTCAGGGCTGCGATCTGCCTACATGCTCA  
 CGGATCCTTATGGCTCTCAGGCGGACTGGGAGTACGTGCAGGTCTGGTGTATAACAACCTGCCCTTCCC  
 CTTGCTACTCACTGCAGTGGCAGCACTCACCTGCTGGGCTTGGGTGCTGGTCTGCCACAGCCTCTGCAG  
 AAGCCGCTGCTGTGGGAATTGTGGCACCGGTGCATGGCACATGTTTGTGGCTACAGACCTGTTCTCCA  
 CCAGCCCTGTGCTCAACCTTCTAACACAAGGCTTATCTTGCGCCTGGGGCGCCTCAGTGGCTCTGGGCAC  
 ACTCTGCCTGTGCCGTCGACGCCTGCTGGAAGGCCCTCGGGGCTGGGATGCCAGTCCAGGGCCCCGGCTG  
 TTGGCTGTGGCGGGCTCACTGGGGCTGTTGGCCAGTGGTCTGCAGTTGGCGGCCTCTCTGGCTGTACC  
 CAGGGCTGGCCGGGAGGGTTCGTTCTCTGGGCTTGGTGGGGCTGCACCTCTGGCTGCGCCTGCTGGA  
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 GCTTGTGGGCTAAGCTGCTGCGTCTGGCGTCCCCGCGCCTACAGGGAAGAGCGAAGTTCCCGAGAGAC  
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 GGTTCGAGAGAGTGTGTTCCAACGCTGTGGTCTCCGTGGCTTGGCCTCCTCGCCGACAGGGGGCGCCCTG  
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 GCCGCTCGCTCACGAGGTGTGCTTGGCACGTCGCTCCCGCAGCACGTGATGGAGCCGCCCTCGGCGC  
 GGCGGCCCGGGACTTCGGGCAGCTCCCTGGACAGTTTCTCCAAGGGCTCGTGAAGATCAGTGGAAC  
 CCGTGGCGTACGGGCTGTATCCGTGGACAGCCTGCCCTAGATGAACTGCCAGCACCGTGCAGCTGC  
 TGCCACCACCTACCCAGTCCCTGCTCCTGCCGGGGGGGAGCCTCAGGGCGAGGGCCAGTCCGCTT  
 CAAGTCCAGCGAGTCTCACAGCGCTCTAGTGACACTATAGAGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR231447 representing NM\_001289699  
 Red=Cloning site Green=Tags(s)

MAPSPQACTSPLLLLLLPCLGAGPALGRGLPRPLENSEPHMIPSESQTFDLFWEKLRNESSWHSWSDPQAR  
 AEGPKPADPYLGPALHGPKAAPGVQGERLLRADDLQLARAFTSQGWTGPPDSQELLEPEAPEPHVVRAP  
 RLTLVTTTPSSLLSAAIILSTASQKPGGTAGQQPARNEELIMVKAETHITQASPWFQGSSTHPVETDAV  
 RTLVLGKQGGHEQGFQEA VQGPLLTQQDPVVPVGVSTPPVKVESTPEPGAQLDLALVRSPLPEGLPAEP  
 PKTGAGDTWEVSSLGPQPEQTDLLGGQDSPAPQPIPPSASDTS DGHLRPAVSSLNGADPISPQRVRGAME  
 APGTPKSFIPDLNSAQAAANGTESPVRALQPDEAEDWPGRPQSHPPAPPVQAPSTSRRLVVRTTQRALG  
 QPLPPEPSASSIVPIPASSPPANATAPPLRWGPLRRVLSF SWELHVVYGVGVLFLLPALLALVTVAALAG  
 PRLALVAAALVLVAGLSAYMLTDPYGSQARLGVRAGLVLYNLPFLLL TALAAL TLLGLGAGLPQPLQ  
 KP LLLGIVAPVHGTCLLATDLFSTSPVLNLLTQGLSCAWGASVALGTLCLCRRRLEGPGRWDASPGPRL  
 LAVAGSLGLLASGLQLAASLWLYPGPGREGRFSWAWWGVHFWLRLEL TWALALALAALATRRPPTEH  
 ACWAKLLRLACPAPTGKSEVPERPNNCYAGPSGLGTGGLDISKSLIRNAAGEAGLPVTPGSGPWGSAASL  
 GRGRPGGQRMSRGSVGPAPSLSELDLRPPSPINLSRSIDAALFREHLVRESVVFQRCGLRGLASSPTGGAL  
 RPRRGSQPDAELDGAGTSLLRGRCSRLETVCLRTSLPQHVMPEPPVAAAAAGTSGSSLD SFSKGLKISWN  
 PWRHGLSSVDSLPLDELSTVQLLPPTPVPAPARAGEPQEGEQSRCKSSSEHSASDITEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

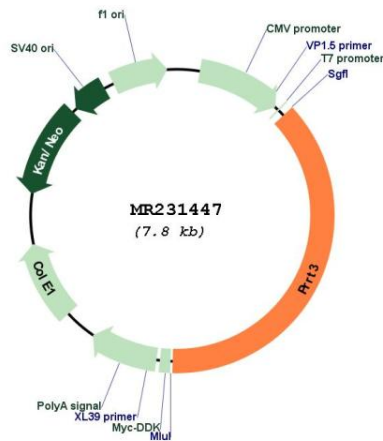


**ACCN:** NM\_001289699

**ORF Size:** 2916 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001289699.1, NP_001276628.1</u>
<b>RefSeq Size:</b>	3789 bp
<b>RefSeq ORF:</b>	2919 bp
<b>Locus ID:</b>	210673
<b>Cytogenetics:</b>	6 E3
<b>MW:</b>	101.7 kDa

**Product images:**



Circular map for MR231447