

Product datasheet for **RG212123**

PRRT3 (NM_207351) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRRT3 (NM_207351) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRRT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG212123 representing NM_207351
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCCAGCCATGGGGCTGTGTATGTGGCCTTCTGCTGTTGCTGCTGCCACTCCTGGGGACTGGCC
 CTGCCCTGGGGAGGGGCTTCCAGGCCACTTGAAAACCTCGAAATCCCTATGATCCCTGGAGCCACCC
 CAAGGGCTCTGTGGGCTCAGAGCCCCAGGCCTTTGACGTGTTCCCGGAGAACCCAGAGCTGACAGTCAC
 AGGAACTCTGATGTCGCCACGCCCTGCTGAAGAGATGCCTGAGAAGCCTGTAGCCTCTCCCTTGGCC
 CAGCCCTGTACGGGCCAAAGCAGCACAAGGAGCTCAGAGAGAACGACTCCAGTAACTGATGACCTCCA
 GATGGCTCAAGGACCAAGCTCCCACGGCTGGACAGGACCTCTGGACTCACAAGAGCTTCTGGAGCAAGAA
 GCAGTGGCTCCCCACCCAGTGGGCCACCCTCATCTCACTTTCATCCCACTCCAGAGCTCAACTCA
 GGGTAGCCACAGTTCCTCCCTCCCTGCAGCATGAAGGCCAAGAGGGACAGTGGCCACCTAGAGATGAGGG
 TCTGAAGGCCAAAACCTAAGAGCAGGGTCCACCCACTTCTCCCTCAGACCACAGGGCCACCCACACC
 CTTGTTTTCCCACTCAGGTACTGTCAAGAGGCCAGTGTGGAAGGACAGGGTGGGTTTGGGAACACTTGC
 AGGAGGCAGCTCAAGTCCCACTTACCCAGCAGGATCCAGCAGCCCTGATGTTGGCTCAGTACCCCC
 AGTTGAGGTGGTGTACTCTCAGGAGCCAGGGGCCAGCCAGACTTGGCATTGGCCAGAAGCCTTCTCCT
 GCTGAGGAGTGCCTGTTGAGACCCCAAGAGGGCTGGCGCTGAGGTGTCTGGGAAGTCAGTCCCCAG
 GTCCCCCGCCCAAGCAGGCTGACCTTCTGACGCTAAGGATTACCAGGACCCAGCCACGGATCCACC
 CGCCTCAGAGGCTCCTGATCGGCCGTCTAAGCCAGAGAGAGCAGCAATGAATGGAGCAGACCCCATCTCC
 CCCCAGCGGGTGAGAGGAGCTGTGGAGGCCAGCAGCCCAAGTCTCTCATCCCTGGTCCCTCAGACC
 CTGGCCACAGCTGTAACCGAAGCAGAGAGCCCATGGGGCCCTGCAGCCAGATGAAGCAGAGTGGCC
 GGGCGCCCCAAAGCCATCCCCAGCACCCCAAGTCCAGGCGCCCTCGACGTCACGCGGGGCCTCATT
 CGAGTACCACGACGAGCCCTGGGCCAGCCTCCCCCTCCGGAGCCACCGCCAGCTCCATGGTTTCAG
 CCCCAGCTCCAGCCCCCAGCCAACGCCACTGCACCCCGCTACGCTGGGGCCCCCTTCGGCGGGTCT
 GAGCTTCTCTGGGAGCTGCACGCTACGGGGTGGGGTACTCTTTCTGCTGCCCGGTTGTTGGCGCTG
 GCTGCGCTGGCAGCCGCCAGCAGGGCCCGGCTGGCATTGGTGGCCGCGGTGCTGGTGTCTGGGCTT
 CGGCGTGCATCCGCTACATGCTTACCAGCCCTTACGGCTCGCAGGCGCGGCTGGGCTTCGCGGGG
 CCTGGTGTCTACAACCTGCCCTTCCCCTTGTGCTTACGGCGCTGGCAGCCCTGACTCTGCTCGGCCG
 GCGCGGGGCTGCCGCCACCGCTGCAAAACCCACTCCTGCTGGGAGCAGTGGCGTGGTGCATGGTGTAG
 GGTGCTCGGCAGACCTGCTGTCCACATGGTCTGTGCTCAACCTCCTGACGCAGGGCTTGTCTGTGCGC
 CTGGGGCGCGCCGTTGGCTCTGGGCACGCTCTGCCTGTGCCGTGCCCGCTGCTGGACGGCCACGGGGC
 TGGGATGCCAGCCCGGGCCCTCGGCTGTTGGCTGTGGCGGGCGGCTGGGGCTGCTGGTACGCGGTTGC
 AGCTGGCGGTGCGCTCTGGCTGTACCCGGGCCAGGCCGCTGGGCCGCTTCTCGTGGGCTGGTGGGG
 TGTCCACTTCTGGCTGCGCTCCTGGAGCTGACATGGGCGCTCGCCCTGGCGTTGGCCGCGGTGGCTGCC
 GCGAGACCCAGGCCGCCACGGAGCAGCCTTGTGGGCTAAGCTGATGCGTCTGGCGTCCCGGCGCCGT
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 GACCGGCCCATCGCTGAGCGAGCTGGATCTGCGGCCCATCGCCATCAACCTGAGCCGACGATCGA
 CGCCGCGCTCTTCGCGAGCACCTAGTGCAGACAGTGTGTTCCAGCGCTGCGGCCCTCCGCGCCTGGCC
 TCCCCGCGCCTGGAGGCGCTCTGCGGCCGCGCCGGGCAGCCATCCAAAGCCGAGCTCGACGACGCTG
 GCTCCTCGCTCCTCCGCGCCGCTGCAGGTCGCTCAGCGACGTGCGCGTGCAGGGCCGGTCCCACAGCA
 CGTAGTGAAGCACCCGACGGGGCAGCCGCTGCGGCTTCTGGCAGCTCCCTCGACAGCTTCTCCAGGGT
 TCACTCAAGATCAGTTGGAACCCCTGGCGCCACGGGCTGTATCAGTGGACAGTCTGCCCTAGATGAGT
 TGCCACGACGGTACAGCTACTGCTGCCCGACCCAGCCCTGATTCTACCGCGCTCGCAGGGGGA
 CGCCAGGGAGAGTCCAGCCGCGCGCAAGCCTGGGAATCCCGCAGCGCTCCAGTGATACCATCGAG
 CTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212123 representing NM_207351
 Red=Cloning site Green=Tags(s)

MASSPWGCVCGLLLLLLPLLTGTGPALGRGFFRPLENSEIPMIPGAHPKGSVQSEPAFDVFPENPRADSH
 RNSDVRHAPAEEMPEKPVASPLGPALYGPKAAQGAQRERLPVTDLQMAQGPSSHGWTGPLDSQELLEQE
 AVAPHPVGHPHLTFIPTPRRQLRVATVPPSLQHEGQEQWPPRDEGLKAKTKSRVPPTSPSDHQGPPT
 LVSHSGTVKRPVLEGGQGFEEHLQEAAQGFHFTQQDPAAPDVGSVPPVEVVYSQEPGAQPDALARSLLP
 AEELPVETPKRAGAEVSWEVSSPGPPKQADLPDAKDSGPGPTDPPASEAPDRPSKPERAAMNGADPIS
 PQRVRGAVEAPGTPKSLIPGSPDPGPAVNRTESPMGALQPDEAEWPGRPQSHPPAPPVQAPSTSRRLI
 RVTTQRALGQPPPEPTASSMASAPASSPPANATAPPLRWGLRRLVLSFVSWELHVVYGVGLFLLPALLAL
 AALAAAPAGPRLALVAVLVVASALRSAYMLTDPYGSQARLGVRGGLVLYNLPFLLLLTALAALTLLGL
 GAGLPPPLQNPLLLGAVALVHGVLLATDLLSTWSVLNLLTQGLSCAWGAAVALGTLCLCRRRLLDGPRG
 WDASPGPRLAVAGALGLLASGLQLAALWLYPGPGRVGRFSWAWWGVHFWLRLLELTWALALALAAVAA
 ARPRPTEHACWAKLMRLACAPSGKSEVPERPNNCYAGPSNVGAGSLDISKSLIRNPAESQLATPSSG
 AWGSAASLGRGPQGGPGLSRNGVGPAPSLSELDLRPPSPINLSRSIDAALFREHLVRDSVFQRCGLRGLA
 SPPPGGALRPRRGSHPKAELDDAGSSLLRGRCSRSLSDVRVGPVQHVVEAPDGA AAAASGSSLD SFSRG
 SLKISWNPWRHGLSSVDSLPLDELPSTVQLLPAPTAPDSTAARQDGGQGEVQPRGKPGESRSASDSTIE
 L

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

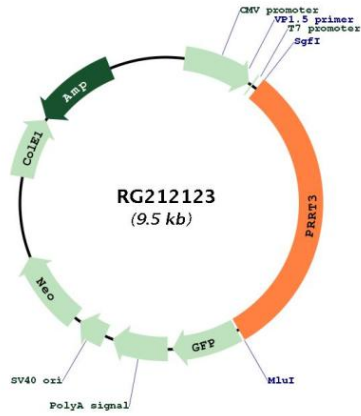


ACCN: NM_207351

ORF Size: 2943 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<u>NM_207351.2, NP_997234.2</u>
RefSeq Size:	3415 bp
RefSeq ORF:	2946 bp
Locus ID:	285368
UniProt ID:	<u>Q5FWE3</u>
Cytogenetics:	3p25.3
Protein Families:	Transmembrane

Product images:



Circular map for RG212123