

## Product datasheet for **SC324337**

### **PRRG4 (NM\_024081) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PRRG4 (NM_024081) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRRG4
Synonyms:	PRGP4; TMG4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_024081.4  
 CCCGGACCGAGGCAGGACCTCACCCGCGCGTGTCCCGGGCGCCCTCTGCGAACCC  
 AGGCCCTTCCCAGGTTTGC GCGCGGGGGCCATCCAGACCTGCGGAGAGCGAGGCCCGGA  
 GCGTCGCCGAGGTTT GAGGGCGCCGAGACCGAGGGCCTGGCGGCCGAAGGAACCGCCC  
 AAGAAGAGCCTCTGGCCCGGGGCTGCTGGAACATGTGCGGGGGACACAGTTTGTGGA  
 CAGTTGCCAGACTATGTTTACGCTTCTGGTTCTACTCAGCCAAC TGCCACAGTTACCT  
 GGGTTTTCTCATTGCGCAAGAGGTCCAAGGCTTCTAAGCATGCGGGGAGAAGAAGTGT  
 TACATCAAAAAGAAGAAGCAAAC TTTTTCATACATAGACGCTTCTGTATAATAGATTTGA  
 TCTGGAGCTCTTCACTCCCGCAACCTAGAAAAGAGAGTGCAATGAAGAACTTTGCAATTA  
 TGAGGAAGCCAGAGAGATTTTTGTGGATGAAGATAAACGATTGCATTTTGCAGGAATA  
 TTCAGCTAAAGGACCAACCACAAAATCAGATGGCAACAGAGAGAAAATAGATGTTATGGG  
 CCTTCTGACTGGATTAATTGCTGCTGGAGTATTTTTGGTTATTTTTGGATTACTTGGCTA  
 CTATCTTTGTATCACTAAGTGAATAGGCTACAACATCCATGCTCTTCAGCCGTCTATGA  
 AAGGGGGAGGCACACTCCCTCCATCATTTTCAGAAGACCTGAGGAGGCTGCCTTGTCTCC  
 ATTGCCGCTTCTGTGGAGGATGCAGGATTACCTTCTTATGAACAGGCAGTGGCGCTGAC  
 CAGAAAACACAGTGTTCACCACCACCACATATCCTGGGCACACAAAAGGATTTAGGGT  
 ATTTAAAAAATCTATGTCTCTCCATCTCACTGACTACCTTGTCATTTTGGTATAAGAAA  
 TTTGTGTATTTGATAGGCCGGGCATGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGA  
 GGCCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGAAACCCGGTCTCTACTAAAAATTC  
 AAAAATTACCTAGGCGTCATGGGCATGCCTGTAGTCCCACCTACTTGGGAGGCTGAAGC  
 AGGAGAATTGCTCGAACCTGGGAGGCAGAGGTTGCAGTAAGCTGAGATCACGCCACTGCA  
 TTCCAGCCTGGCGCAGAGCAAGACTCCATCTCAAAAATAAAAATAAAAAAGAAAGAAA  
 GAAAAGAAGAAGAAAAGAGAAGAAGGAGAAGGAGATGAAGGAGGAGGAGGAGGAGAAGGA  
 GAAGAAGAAGAAGAAGAAGACCACAAAAGACATGACTATCCAAC TTTTATGACAAACTG  
 CAAGGAATAAAGGAAGAATAAGTCCATGTACTGTACCACAGAAGTTCTGTCTGCATCTTG  
 GACCTGAACCTTGATCATTATCAGCTTGATAAGAGACTTTTTGACTCTATATCCTTGCAGT  
 TAAGAAGAAAGCACTTTTTTGTAAATGTTTGT TTTAATGGTTCAAAAAAATCTTTCTTAT  
 AAAGAGCATAGGTAGAATTAGTGAAC TTTGGATCCTTTGTACAGATAAAGTTATAGA  
 TTTCTTGTGTTGAATATTA AAAAAGCAAGGATGTCTAACCATTAAGATTATCCAAAGTCA  
 GGCTGGGCGCAGTGGCTCAGCCTGTAATCCCAGCACTTTGGGAGGATAGGTGGGCGGA  
 TCACCTGAGGTGAGGAGTTT GAGACCAGCCTGGCCAACATGGCAAAACCCCGTCTCTACA  
 AAAATACAAAAGAAATTAGCCAGACATGATGGCGGGTGCCTCTAATCCCAGCTACTGGGG  
 AGGCTGAGGTGGGAGAATCGCTTGAAC TCGGGAGGTGGAGGTTGTAGTGAGGCGAGATTG  
 TGCCATTGCACTCCAACCTGGGCGACAGAGTGAGACTCCATCTCAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_024081

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<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>	<a href="#">NM_024081.4</a> , <a href="#">NP_076986.1</a>
<b>RefSeq Size:</b>	2015 bp
<b>RefSeq ORF:</b>	681 bp
<b>Locus ID:</b>	79056
<b>UniProt ID:</b>	<a href="#">Q9BZD6</a>
<b>Cytogenetics:</b>	11p13
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	May control axon guidance across the CNS (PubMed:28859078). Prevents the delivery of ROBO1 at the cell surface and downregulates its expression (PubMed:28859078). [UniProtKB/Swiss-Prot Function]