

Product datasheet for **SC119556**

PRRG1 (NM_000950) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRRG1 (NM_000950) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRRG1
Synonyms:	PRGP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119556 sequence for NM_000950 edited (data generated by NextGen Sequencing)

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ATGGGGAGGGTTTTCTCACGGGAGAAAAAGCCAATTCCATATTAACGCTACCCAAGA
GCTAATGGGTTTTTTGAAGAAATAAGACAGGGCAACATTGAGCGTGAGTGCAAAGAAGAA
TTCTGTACATTTGAAGAAGCAAGAGAAGCTTTTGAAAATAATGAAAAAACTAAGGAGTTT
TGGAGCACCTACAAAAAGCGCAACAAGGGGAGAGTAACCGAGGAAGTACTGGTTTCAG
TTTTACCTTACCTTTCCGTTAATCTTTGGCCTCTTCATTATCCTCCTTGTCAATTTCTA
ATCTGGAGATGCTTCTAAGAAACAAAACCTCGTAGACAGACAGTACTGAAGGCCACATT
CCTTTCCCTCAGCACCTTAATATTATCACCCACCCCCCACCAGATGAAGTGTGTTGAC
AGCAGTGGATTGTCTCCAGGCTTTCTGGGATATGTAGTTGGGCGCTCAGATTCGCTCTCT
ACTCGCCTGTCCAATTGTGATCCCCGCAACCTATGAGGAAGCCACTGGCCAAGTGAAC
CTGCAGAGGAGTGAAACAGAACCTCATTTAGACCCACCCCAGAGTATGAGGACATAGTC
AACTCCAACCTCAGCCAGTGCCATTCTATGGTGCCTGTGGTCACCACCATCAAATGA
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Clone variation with respect to NM_000950.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000950 unedited
 GTATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGGCAGAACGGCG
 AGTAGCGGAGCGGGACCCGCTGGAATCATCATCCAGGGACGTGCCAGAAACCACAAGAAA
 ACATGGGGAGGGTTTTCTCACGGGAGAAAAAGCCAATTCATATTAACGCTACCCAA
 GAGCTAATGGGTTTTTGAAGAAATAAGACAGGGCAACATTGAGCGTGAGTGCAAAGAAG
 AATTCTGTACATTTGAAGAAGCAAGAGAAGCTTTTGAAAAAATGAAAAACTAAGGAGT
 TTTGGAGCACCTACACAAAAGCGCAACAAGGGGAGAGTAACCCGAGGAAGTGACTGGTTTC
 AGTTTTACCTTACCTTTCCGTTAATCTTTGGCCTCTTCATTATCCTCCTTGTCATTTTCC
 TAATCTGGAGATGCTTCCCTAAGAAAACAAAACCTCGTAGACAGACAGTGACTGAAGGCCACA
 TTCCTTTCCCTCAGCACCTTAATATTATCACCCACCCCCACCAGATGAAGTGTGTTG
 ACAGCAGTGGATTGTCTCCAGGCTTTCTGGGATATGTAGTTGGGCGCTCAGATTCGCTCT
 CTACTCGCTGTCCAATTGTGATCCCCGCCAACCTATGAGGAAGCCACTGGCCAAGTGA
 ACCTGCAGAGGAGTGAACAGAACCTCATTTAGACCCACCCAGAGTATGAGGACATAG
 TCAACTCCAACTCAGCCAGTGCCATTCTATGGTGCCTGTGGTACCACCATCAAATGAA
 GCTGCAAACCTTCTTTACTCTAAATCATTTTAAATACTAATGGAAGAACTNTCTAGCA
 CTTTACCCTACANTAATGTTTCATTGACTATTTATTGGACTCTCCGCATACCCTCAC
 ACTNGNTNNTATTTCTTANTNTGNNTCCTGGTATAGAATANTATCCATGCTCATNNTG
 CTAGGGAANTATAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000950 unedited
 GCTATGGACCGCGCTCTCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTGGGTTTA
 AAAAAGCTTTATTTAGCATACAAAAACACAGAACATAAGAAAAGACCCTACCTAGTATAA
 ACATAAAAATAGTTAAATACCATAATTTAATGTAACCAAGCATCTTAAATGAGAAATA
 TTATAATAAAAATACATACTATTTACACAGAACCAGTTAAAGCTACCTCCACAGTTATTG
 GATCACATCATCAATCTTGAAGTCATCATAAAAATGAAGCAAACACAACATATCTTATC
 TGGACTGGGCAATAGGGAAGAAAAAAATTTCTTTCCTTTCTTTTAGGGGGAGAATATT
 TTTTTGGGAATTTTTAAAAAGGGGGGGGGGAAAAAGCGCCCTTTTTTTTTGTCTCCAA
 AAAAACTTCCGGGCGGGGGGGGGGGGGAACAACCTTTTTAGAAAAAACACCCC
 CCCCCTTTTTTTTTTTTTAAAAGGAACGAAGGGGGGGGGGAAAAAACCCCTCT
 ATAAAGAAGGAAAAAGAAAAATTTTTTTTTTTTCNAAAAATTTTTTTTTAAAAAACGG
 GGGGGGGGGGTGTTTTTTTTTTAATGAGAAAAAATAAATAAATAAATAAATAAATAAATA
 TTTTTTCCCCCCCCCCCCCTTTTTTTTTTTGGGGGGGAAATTTATTATAGG
 GGGGAGGGGGGGGGGGGGGGGAGTGTTTTTATTATAAAAAANANCCCCACCCC
 CCCCCCACCCCCCCCCCGGGGGGGGGGGGGGGGGGGGGGGGGTTTTTTTTTTTTT
 ATTTTTTTTTTTTCCACCCAACACAACCNCNNNNNNGGGGGGGGGGNAGATTAAT
 AATAAAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_000950

Insert Size:

4540 bp

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).

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_000950.1, NP_000941.1</u>
RefSeq Size:	4490 bp
RefSeq ORF:	657 bp
Locus ID:	5638
UniProt ID:	<u>O14668</u>
Cytogenetics:	Xp21.1
Domains:	GLA
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a vitamin K-dependent, gamma-carboxyglutamic acid (Gla)-containing, single-pass transmembrane protein. This protein contains a Gla domain at the N-terminus, preceded by a propeptide sequence required for post-translational gamma-carboxylation of specific glutamic acid residues by a vitamin K-dependent gamma-carboxylase. The C-terminus is proline-rich containing PPXY and PXXP motifs found in a variety of signaling and cytoskeletal proteins. This gene is highly expressed in the spinal cord. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1-4 encode the same isoform.</p>