

Product datasheet for **SC122228**

PRRG2 (BC026032) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRRG2 (BC026032) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRRG2
Synonyms:	PRGP2; proline-rich Gla (G-carboxylglutamic acid) polypeptide 2; proline-rich Gla (G-carboxylglutamic acid) polypeptide 2; proline rich Gla (G-carboxylglutamic acid) 2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC026032 edited
 CCTCCTCCTTATCCCCTCCCCTCTTCCCTGTCCCCTTTACAGCTGGCTGTAGCTGGCCA
 AGGAGTTCTCGATTAAAGAGGAAGGGCAGTGCTCACATTTCTGGGCAGGTGTCTGGAAA
 ATATGAGGGGCCACCCCTCTCTGCTGCTGCTATATATGGCATTAAACCACCTGCCTGGATA
 CTTACCCAGTGAGGAGACAGACCAAGGTGAGTGTGGGGGAAGTGGCATCCAGACACT
 TGGCGTTGGCCTCCCCTGACTCAGGAATGTCTCTAGTCCTTCCCTTCCAGGAGTCCAG
 GACCCAGCCCCTTCCCTTCCATCCCCTATGACTCCAGCCCTAGGGACCCCTCCATTTTTC
 CCAGGACCCCACTGCTTTCCATCCCCTATGACTCCAGCCCTAGGGACCCCTCCATTTTTC
 TGTCCTCATGTCTTTGGGTCCAGAAGTCTTTCTGGGTCCCCCAGAGGCCAGAGCTTCC
 TGAGTAGCCATACCCGATTCCAAGAGCCAACCACTGGGACCTGGAGCTGCTCACACCAG
 GGAACCTGGAACGGGAGTGTCTGGAAGAGAGGTGTTCTGGGAAGAGGCCAGGGAGTATT
 TTGAGGACAACACTCTCACGGAGCGCTTTGGGAGAGCTACATCTACAATGGCAAAGGAG
 GGGCTGGACGAGTGGATGTGGCCAGCCTGGCTGTGGGGCTGACATGTGGCATCCTGCTCA
 TTGTCTGGCCGGCCTGGGAGCCTTTTGGTATCTGCGCTGGCGACAGCACCGAGGCCAGC
 AGCCCTGTCCCCAAGAGGCCGGGCTCATTAGCCCTCTGAGTCCTTTGAACCTCTGGGCC
 CACCGACGCCCTGCCTCCACCCCAACCCCAACCCCAAGCCCTCCCACCTATGAGCAGG
 CGCTGGCAGCCTCTGGGGTACACGACGCACCTCCACCCCTTACACCAGCCTCAGGAGGC
 CTAAGAGCTGCTTTTCGAGACCCGGCTCTCCGAACCGTGCCCTGATTTCATACCGG
 ATTCCGGAAGCCGCTAGGCCTCATAGACGCCGAAGCTGGACTTGGAGTGGGGAATGGTGG
 GAGTAGGGGTATCCGGCCCGAGGCCTGCCCTGGCACACGCGTTTCCGCCGCGTATGGAT
 ATACACATGTTTTCGGCAACGTGTTCCCGTGTCTGGCCCTCACGGGCCCCCACTCT
 CCTGACCGTGAGGGCACTGGTCAGTTCGCCCGCTGGTAGGCAGACGCGGGGAAAT
 CCGACCCAGGAGCCAGCCCGGCTGTGCCATCTGTGTATGGGCAGATATGACCTGACA
 GCCCCTCCAGTGCCACAGGGTACGCACACGACAGAGCCCGCCTGTGCACACGCGTGTCT
 TCGTGCCTCCCGTGGGTACAGGGCACTTTCGTAACCCAGGGAAGGGCGGGGGCAT
 ATTTGCAAGCGCCTCGGTGCGGGCAGGCTCGCATTGCACCCAGGGAGCTGGAGTTGAGC
 TGTTCCCTAAATAAAAACCTTCGAAAGGAGACCAAAAAAGCAGAAATAATGCAAAA
 AATAATAATGAAATGAACTGCGAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC026032 unedited
 NNAAGAAGCAGGTTCAACATATTGTNAATACGAACTCACTAATAGGGCGGCCGACATC
 GGCACGAGGCCTCCTCTATCCCCTCCCCTCTTCCCTGTCCCCTTTACAGCTGGCTGT
 AGCTGGCAAGGAGTTCTCGATTAAAGAGGAAGGGCAGTGCTCACATTTCTGGCAGGT
 GTCTGGAAAATATGAGGGCCACCCCTCTCTGCTGCTGCTATATATGGCATTAAACCCT
 GCCTGGATACTTACCCAGTGAGGAGACAGACCAAGGTGAGTGTGGGGGAAGTGGCAT
 CCAGACACTTGGCGTTGGCTCCCCTGACTCAGGAATGTCTCTAGTCCTTCCCTTTCCA
 GGAGTCCAGGACCCAGCCCTTCCCTCCTCAGACCCAGGAATCTGGATTCCAGCCCTG
 CTCCTTCTCCAGGACCCACTGCTTTCCATCCCCTATGACTCCAGCCCTAGGGACCT
 CCATTTTCTGTCCCTCATGTCTTTGGGTCCAGAAGTCTTTCTGGGTCCCCCAGAGGCC
 AGAGCTTCTGAGTAGCCATACCCGGATTCCAAGAGCCAACCACTGGGACCTGGAGCTGC
 TCACACCAGGGAACCTGGAACGGGAGTGTCTGGAAGAGAGGTGTTCTGGGAAGAGGCCA
 GGGAGTATTTGAGGACAACACTCTCACGGAGCGCTTTGGGAGAGCTACATCTANCAAT
 GGCAAAGAGGGCGTGGACGAGTGGATGTGGCCAGCCTGGCTGTGGGGCTGACATGTGGCA
 TCTGCTCATTGTCTGGCCGGCCTGGGAGCCTTTTGGTATCTGCGCTGGCGACAGCACC
 GAGGCCAGCAGCCTGTCCCAAGAAGCCGGGCTCATTACCCCTCTGAATCCTTTGAAC

Restriction Sites: Please inquire
ACCN: BC026032
Insert Size: 1604 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:	BC026032.1 , AAH26032.1
RefSeq Size:	1604 bp
RefSeq ORF:	537 bp
Locus ID:	5639
Cytogenetics:	19q13.33
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a single-pass transmembrane protein containing an N-terminal gamma-carboxyglutamic acid (Gla) domain and tandem Pro/Leu-Pro-Xaa-Tyr (PY) motifs at its C-terminal end. The Gla domain is exposed on the cell surface while the PY motifs are cytoplasmic. The PY motifs of the encoded protein have been shown to interact with YAP1, a WW domain-containing protein. Therefore, it is thought that the encoded protein may be part of a signal transduction pathway. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]