

Product datasheet for **RG229509**

PRRG1 (NM_001173486) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PRRG1 (NM_001173486) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PRRG1
Synonyms: PRGP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229509 representing NM_001173486
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAGGGTTTTCTCACGGGAGAAAAAGCCAATTCCATATTTAAAACGCTACCCAAGAGCTAATGGGT
TTTTTGAAGAAATAAGACAGGGCAACATTGAGCGTGAGTGCAAAGAAGAATTCTGTACATTTGAAGAAGC
AAGAGAAGCTTTTAAAAATAATGAAAAACTGGTCTTGTCTGTTGCCAAGGCTGGAGTGACAGCTGTGAA
CATGGCTCATTGCAGCCTCAACTCCTGTGCCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229509 representing NM_001173486
Red=Cloning site **Green**=Tags(s)
MGRVFLTGEKANSILKRYPRANGFFEEIRQNIERECKEEFCTFEEAREAFENNEKTGLVLLPRLECSCE
HGSLQPQLPVPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	NM_001173486.2
RefSeq Size:	1783 bp
RefSeq ORF:	249 bp
Locus ID:	5638
UniProt ID:	O14668
Cytogenetics:	Xp21.1
Protein Families:	Transmembrane
Gene Summary:	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]