

Product datasheet for RC229509L3

OriGene Technologies, Inc.

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PRRG1 (NM_001173486) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PRRG1 (NM_001173486) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: PRRG1

Synonyms: PRGP1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC229509).

Sequence:

Sgfl-Mlul

Restriction Sites: Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_001173486

ORF Size: 246 bp





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OTI Disclaimer: 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

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: 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 001173486.1</u>

 RefSeq ORF:
 249 bp

 Locus ID:
 5638

 UniProt ID:
 014668

 Cytogenetics:
 Xp21.1

Protein Families: Transmembrane

MW: 9.9 kDa

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]