

Product datasheet for RG225161

PRH2 (NM 001110213) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PRH2 (NM_001110213) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: PRH2

Synonyms: Pr; pr1/Pr2; PRP-1/PRP-2

Mammalian Cell N

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG225161 representing NM_001110213
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGCTTCTGATTCTGCTGTCAGTGGCCCTGCTGGCCTTCAGCTCAGGACTTAGATGAAGATGTCA
GCCAAGAAGACGTTCCCTTGGTAATATCAGATGAGGAGGAGACTCTGAGCAGTTCATAGATGAGGAGCGTCA
GGGACCACCTTTGGGAGGACAGCAATCTCAACCCTCTGCTGGTGATGGGAACCAGAATGATGGCCCTCAG
CAGGGACCACCCCAACAAGGAGGCCAGCAACAAGGTCCACCACCTCCTCAGGGAAAGCCACAAGGAC
CACCCCAACAGGGAGGCCATCCCCCTCCTCCAAGGAAGGCCACAAGGACCACCCCAACAGGAGCCA
TCCCCGTCCTCCTCGAGGAAGGCCACAAGGACCACCCCAACAGGACCACCCCACCCCCA
CCTCCTCCTGGAAAGCCCCAGGGACCACCTCCCCAAGGGGCCCCCACAGGACCTCCACAGGGGCCAGT

CTCCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225161 representing NM_001110213

Red=Cloning site Green=Tags(s)

MLLILLSVALLAFSSAQDLDEDVSQEDVPLVISDGGDSEQFIDEERQGPPLGGQQSQPSAGDGNQNDGPQQGPPQQGGQQQQGPPPQQKPQQFPPQQGGHPPPPQGRPQGPPQQGGHPRPPRGRPQGPPQQGHQQGPPP

PPPGKPQGPPPQGGRPQGPPQGQSPQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



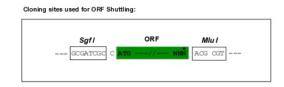
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

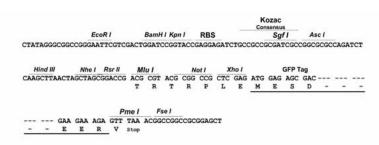
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

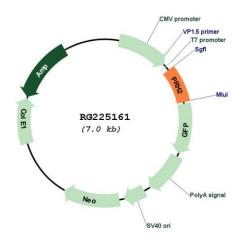


Cloning Scheme:





Plasmid Map:



ACCN: NM 001110213

ORF Size: 498 bp

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.



PRH2 (NM_001110213) Human Tagged ORF Clone - RG225161

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 001110213.1</u>, <u>NP 001103683.1</u>

 RefSeq Size:
 3177 bp

 RefSeq ORF:
 501 bp

 Locus ID:
 5555

 UniProt ID:
 P02810

 Cytogenetics:
 12p13.2

Protein Families: Secreted Protein

Gene Summary: This gene encodes a member of the heterogeneous family of proline-rich salivary

glycoproteins. The encoded preproprotein undergoes proteolytic processing to generate one or more mature isoforms before secretion from the parotid and submandibular/sublingual glands. In western population this locus is commonly biallelic and encodes proline-rich protein (PRP) isoforms, PRP-1 and PRP-2. The reference genome encodes the PRP-1 allele. Certain alleles of this gene are associated with susceptibility to dental caries. This gene is located in a cluster of closely related salivary proline-rich proteins on chromosome 12.

[provided by RefSeq, Oct 2015]