

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 Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225161 representing NM_001110213
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTCTGATTCTGCTGTCTGTCAGTGGCCCTGCTGGCCTTCAGCTCAGCTCAGGACTTAGATGAAGATGTCA
 GCCAAGAAGACGTTCCCTTGGTAATATCAGATGGAGGAGACTCTGAGCAGTTCATAGATGAGGAGCGTCA
 GGGACCACCTTTGGGAGGACAGCAATCTCAACCCTCTGCTGGTATGGGAACCAGAATGATGGCCCTCAG
 CAGGGACCACCCAACAAGGAGGCCAGCAGCAACAAGGTCCACCCTCCTCAGGGAAAGCCACAAGGAC
 CACCCAACAGGGAGGCCATCCCCCTCCTCCTCAAGGAAGGCCACAAGGACCACCCAACAGGGAGGCCA
 TCCCCGTCTCTCGAGGAAGGCCACAAGGACCACCCAACAGGGAGGCCATCAGCAAGGTCTCCCCCA
 CCTCCTCTGAAAGCCCAAGGACCACCTCCCAAGGGGCCGCCACAAGGACCTCCACAGGGGCAGT
 CTCCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225161 representing NM_001110213
 Red=Cloning site Green=Tags(s)

MLLILLSVALLAFSSAQDLDEDVSDQEDVPLVISDGGDSEQFIDEERQGPPLGGQQSQPSAGDGNQNDGPQ
 QGPPQQGGQQQQGPPPPQKPKQPPQQGGHPPPPQGRPPQGGHPPRPPRGRPPQGGHQQGPP
 PPPGKPPQGGPPQGGPPQGGSPQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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_001110213.1, NP_001103683.1</u>
RefSeq Size:	3177 bp
RefSeq ORF:	501 bp
Locus ID:	5555
UniProt ID:	<u>P02810</u>
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]