

## Product datasheet for SC317036

### PRH2 (NM\_001110213) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRH2 (NM_001110213) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRH2
Synonyms:	Pr; pr1/Pr2; PRP-1/PRP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317036 representing NM_001110213. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTTCTGATTCTGCTGTCACTGGCCCTGCTGGCCTTCAGCTCAGCTCAGGACTTAGATGAAGATGTC
AGCCAAGAAGACGTTCCCTTGGTAATATCAGATGGAGGAGACTCTGAGCAGTTTCATAGATGAGGAGCGT
CAGGGACCACCTTTGGGAGGACAGCAATCTCAACCCTCTGCTGGTATGGGAACCAAGATGATGGCCCT
CAGCAGGGACCACCCCAACAAGGAGGCCAGCAGCAACAAGGTCCACCACCTCCTCAGGGAAAGCCACAA
GGACCACCCCAACAGGGAGGCCATCCCCCTCCTCCTCAAGGAAGGCCACAAGGACCACCCCAACAGGGA
GGCCATCCCCGTCTCCTCGAGGAAGGCCACAAGGACCACCCCAACAGGGAGGCCATCAGCAAGGTCTCT
CCCCACCTCCTCCTGGAAAGCCCAGGGACCACCTCCCCAAGGGGGCCGCCACAAGGACTCCACAG
GGCAGTCTCCTCAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
```

Restriction Sites: Sgfl-MluI

Plasmid Map:

ACCN: NM\_001110213

Insert Size: 501 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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001110213.1</a>
<b>RefSeq Size:</b>	3177 bp
<b>RefSeq ORF:</b>	501 bp
<b>Locus ID:</b>	5555
<b>UniProt ID:</b>	<a href="#">P02810</a>
<b>Cytogenetics:</b>	12p13.2
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	17 kDa
<b>Gene Summary:</b>	<p>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]</p>