

Product datasheet for SC303565

PRH2 (NM_005042) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRH2 (NM_005042) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRH2
Synonyms:	db-s; pa; PIF-S; Pr; pr1/Pr2; PRH1; PRP-1/PRP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303565 representing NM_005042. Blue=Insert sequence Red=Cloning site Green=Tag(s)

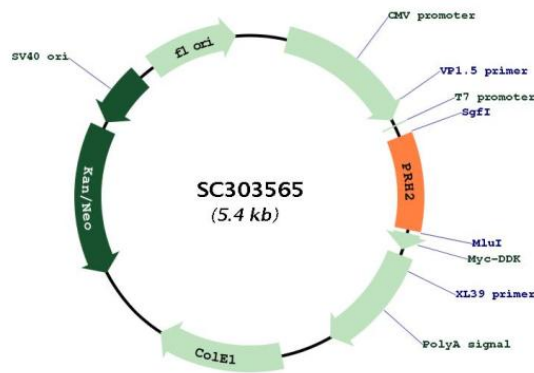
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTTCTGATTCTGCTGTCACTGGCCCTGCTGGCCTTCAGCTCAGCTCAGGACTTAGATGAAGATGTC
AGCCAAGAAGACGTTCCCTTGGTAATATCAGATGGAGGAGACTCTGAGCAGTTTCATAGATGAGGAGCGT
CAGGGACCACCTTTGGGAGGACAGCAATCTCAACCCTCTGCTGGTATGGGAACCAGAATGATGGCCCT
CAGCAGGGACCACCCCAACAAGGAGGCCAGCAGCAACAAGGTCCACCACCTCCTCAGGGAAAGCCACAA
GGACCACCCCAACAGGGAGGCCATCCCCCTCCTCCTCAAGGAAGGCCACAAGGACCACCCCAACAGGGA
GGCCATCCCCGTCTCCTCGAGGAAGGCCACAAGGACCACCCCAACAGGGAGGCCATCAGCAAGGTCTCT
CCCCACCTCCTCCTGGAAAGCCCAGGGACCACCTCCCAAGGGGGCCGCCACAAGGACCTCCACAG
GGGCAGTCTCCTCAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_005042

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).

OTI Annotation: 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.

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: [NM_005042.4](#)

RefSeq Size: 4323 bp

RefSeq ORF: 501 bp

Locus ID: 5555

Cytogenetics: 12p13.2

Protein Families: Secreted Protein

MW: 17 kDa

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]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.