

Product datasheet for RG210681

PRH2 (NM_005042) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

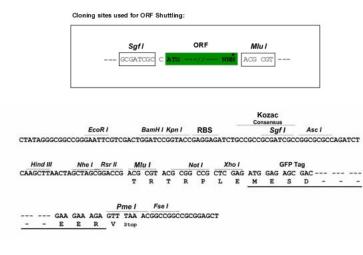
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Product Type:	Expression Plasmids
Product Name:	PRH2 (NM_005042) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRH2
Synonyms:	db-s; pa; PIF-S; Pr; pr1/Pr2; PRH1; PRP-1/PRP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG210681 representing NM_005042 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGCTTCTGATTCTGCTGTCAGTGGCCCTGCTGGCCTTCAGCTCAGCTCAGGACTTAGATGAAGATGTCA GCCAAGAAGACGTTCCCTTGGTAATATCAGATGGAGGAGACTCTGAGCAGTTCATAGATGAGGAGCGTCA GGGACCACCTTTGGGAGGACAGCAATCTCAACCCTCTGCTGGTGATGGGAACCAGGATGATGGCCCTCAG CAGGGACCACCCCAACAAGGAGGCCAGCAGCAACAAGGTCCACCACCTCCTCAGGGAAAGCCACAAGGAC CACCCCAACAAGGAGGCCATCCCCCTCCTCCAAGGAAGGCCACAAGGACCACCACAAGGAGGCCA TCCCCGTCCTCCGAGGAAGGCCACAAGGACCACCCCAACAGGGAGGCCATCAGCAAGGTCCTCCCCA CCTCCTCGGAAAGCCCCAGGGACCACCTCCCCCAAGGGGCCGCCCACAAGGACCTCCACAGGGGCAGT CTCCTCAG
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	<pre>>RG210681 representing NM_005042 Red=Cloning site Green=Tags(s)</pre>
	MLLILLSVALLAFSSAQDLDEDVSQEDVPLVISDGGDSEQFIDEERQGPPLGGQQSQPSAGDGNQDDGPQ QGPPQQGGQQQQGPPPPQGKPQGPPQQGGHPPPPQGRPQGPPQQGGHPRPPRGRPQGPPQQGGHQQGPPP PPPGKPQGPPPQGGRPQGPPQGQSPQ
	TRTRPLE - GFP Tag - V
Restriction Sites:	Sgfl-Mlul

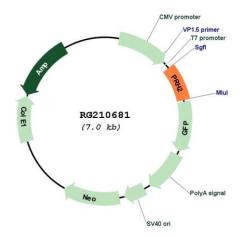


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Cloning Scheme:



Plasmid Map:



ACCN:	NM_005042
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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ORIGENE PRH2 (NM_005042) Human Tagged ORF Clone - RG210681	
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 005042.2, NP 005033.1</u>
RefSeq Size:	3290 bp
RefSeq ORF:	501 bp
Locus ID:	5555
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]

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