

Product datasheet for **RG233372**

PRB4 (NM_001261399) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PRB4 (NM_001261399) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PRB4
Synonyms: Po
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233372 representing NM_001261399
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCTGATTCTGCTGTCTGCTGAGTGGCCCTGCTGGCCCTGAGCTCAGCTGAGAGTTCAAGTGAAGATGTCA
 GCCAGGAAGAATCTCTTCTCCTAATATCAGGAAAGCCAGAAGGACGACGCCACAAGGAGGAAACCAGCC
 CCAACGTCCCCACCTCCTCCAGGAAAGCCACAAGGACCACCCCAAGGAGGAAACCAGTCCCAAGGT
 CCCCCACCTCCTCCAGGAAAGCCAGAAGGACGACCCCAAGGAGGCAACCAGTCCCAAGGTCCCCAC
 CTCATCCAGGAAAGCCAGAAGGACCACCCCAAGGAGGAAACCAGTCCCAAGGAAAGCCACAAGGACC
 ACCCAACAAGAAGGCAACAAGCCTCAAGTCCCCACCTCCTGGAAAGCCACAAGGCCACCCCAAGCA
 GGAGGCAATCCCCAGCAGCCTCAGGCACCTCCTGCTGAAAGCCCAAGGGCCACCTCCACCTCCTCAAG
 GGGCAGGCCACCCAGACCTGCCAGGGACAACAGCCTCCCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233372 representing NM_001261399
 Red=Cloning site Green=Tags(s)

MLLILLSVALLALSSAESSSEDVVSQEEISFLISGKPEGRRPQGGNQPPPPGKPPGPPGQGGNQSQG
 PPPPGKPEGRPPQGGNQSQGPPPHGKPERPPQGGNQSQGKPPQEGNKPQGGPPGKPPGPPPA
 GGNPQQPQAPPAGKPPPPPPQGGRRPRAQGGQPPQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001261399

ORF Size: 534 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.

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_001261399.2](#)

RefSeq Size: 740 bp

RefSeq ORF: 537 bp

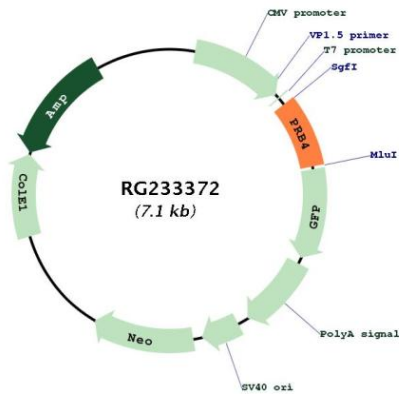
Locus ID: 5545

Cytogenetics: 12p13.2

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the heterogeneous family of basic, proline-rich, human salivary glycoproteins. The encoded preproprotein undergoes proteolytic processing to generate one or more mature peptides before secretion from the parotid glands. Multiple alleles of this gene exhibiting variations in the length of the tandem repeats have been identified. The reference genome encodes the "Small" allele. This gene is located in a cluster of closely related salivary proline-rich proteins on chromosome 12. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RG233372