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Product datasheet for RC233372

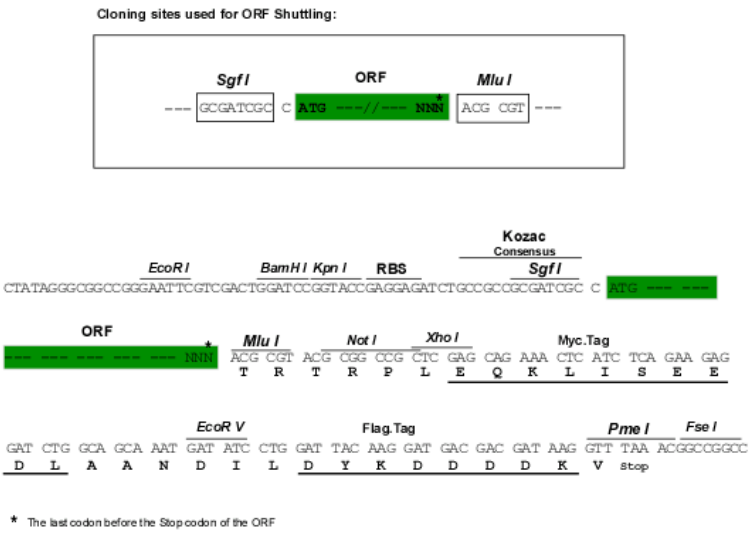
PRB4 (NM_001261399) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRB4 (NM_001261399) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRB4
Synonyms:	Po
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233372 representing NM_001261399 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTGCTGATTCTGCTGTCAGTGGCCCTGCTGGCCCTGAGCTCAGCTGAGAGTTCAAGTGAAGATGTCA GCCAGGAAGAATCTCTCTTCCTAATATCAGGAAAGCCAGAAGGACGACGCCCACAAGGAGGAAACCAGCC CCAACGTCCCCCACCTCCTCCAGGAAAGCCACAAGGACCACCCCCACAAGGAGGAAACCAGTCCCAAGGT CCCCCACCTCCTCCAGGAAAGCCAGAAGGACGACCCCCACAAGGAGGCAACCAGTCCCAAGGTCCCCCAC CTCATCCAGGAAAGCCAGAAAGACCACCCCCACAAGGAGGAAACCAGTCCCAAGGAAAGCCACAAGGACC ACCCCAACAAGAAGGCAACAAGCCTCAAGGTCCCCCACCTCCTGGAAAGCCACAAGGCCCACCCCCAGCA GGAGGCAATCCCCAGCAGCCTCAGGCACCTCCTGCTGGAAAGCCCCAGGGGCCACCTCCACCTCCTCAAG GGGGCAGGCCACCCAGACCTGCCCAGGGACAACAGCCTCCCCAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC233372 representing NM_001261399 Red=Cloning site Green=Tags(s) MLLILLSVALLALSSAESSSEDVSQEESLFLISGKPEGRRPQGGNQPQRPPPPPGKPQGPPPQGGNQSQG PPPPPGKPEGRPPQGGNQSQGPPPHPGKPERPPPQGGNQSQGKPQGPPQQEGNKPQGPPPPGKPQGPPPA GGNPQQPQAPPAGKPQGPPPPPQGGRPPRPAQGQQPPQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

View online »

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001261399.2

RefSeq Size: 740 bp

RefSeq ORF: 537 bp

Locus ID: 5545

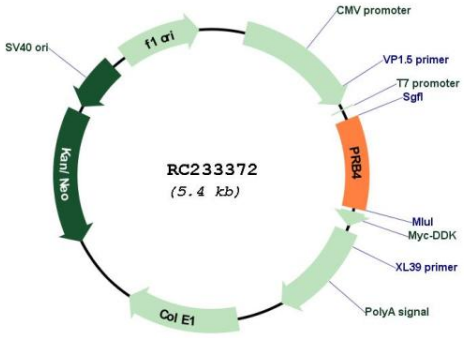
Cytogenetics: 12p13.2

Protein Families: Druggable Genome

MW: 18.5 kDa

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 RC233372