

Product datasheet for **SC303239**

PRB4 (NM_002723) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PRB4 (NM_002723) Human Untagged Clone
Tag: Tag Free
Symbol: PRB4
Synonyms: Po
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002723 edited
 GCCTCCAGCGAGATGCTGCTGATTCTGCTGTGTCAGTGGCCCTGCTGGCCCTGAGCTCAGCT
 GAGAGTTCAAGTGAAGATGTCAGCCAGGAAGAATCTCTTCTCCTAATATCAGGAAAGCCA
 GAAGGACGACGCCACAAGGAGGAAACCAGCCCCAACGTCCCCACCTCCTCCAGGAAAG
 CCACAAGGACCACCCCAAGGAGGAAACCAGTCCCAAGGTCCCCACCTCCTCCAGGA
 AAGCCAGAAGGACGACCCCAAGGAGGCAACCAGTCCCAAGGTCCCCACCTCATCCA
 GGAAAGCCAGAAAGACCACCCCAAGGAGGAAACCAGTCCCAAGGTCCCCACCTCCT
 CCAGGAAAGCCAGAAAGACCACCCCAAGGAGGCAACCAGTCCCAAGGTCCCCACCT
 CCTCCAGGAAAGCCAGAAAGACCACCCCAAGGAGGTAACCAGTCCCAAGGTCCCCCA
 CCTCATCCAGGAAAGCCAGAAAGACCACCCCAAGGAGGCAACCAGTCCCAAGGTCCCCCA
 CGATCTCCTCCAGGAAAGCCACAAGGACCACCCCAACAAGAAGGCAACAAGCCTCAAGGT
 CCCCCACCTCCTGGAAAGCCACAAGGCCACCCCAAGCAGGAGGCAATCCCAGCAGCCT
 CAGGCACCTCCTGCTGGAAGGCCCAAGGGCCACCTCCACCTCCTCAAGGGGGCAGGCCA
 CCCAGACCTGCCAGGGACAACAGCCTCCCCAGTAATCTAGGATTCAATGACAGGTATGA
 TTCCACTTTATTATTCATCAGGACTCTAATTGCTACAGTTCTCCAACCTTTATTGTGCCAA
 TGAATCAACTAAAACCCATTGACATTGTATTGCCTAGAACCCATTTCTAAAAATTTGTA
 TTCAGATACTCTGGAATAGGGAAGGGGACCAAGGGCGAATTCTGCAGATATCCATC

Restriction Sites: Please inquire

ACCN: NM_002723

Insert Size: 1000 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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OTI Annotation:	ORF matches with that of NM_002723.3.
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:	<ol style="list-style-type: none">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:	<u>NM_002723.3, NP_002714.2</u>
RefSeq Size:	944 bp
RefSeq ORF:	744 bp
Locus ID:	5545
Cytogenetics:	12p13.2
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>