

## Product datasheet for **SC303759**

### PRB3 (NM\_006249) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRB3 (NM_006249) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRB3
Synonyms:	G1; PRG
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006249, the custom clone sequence may differ by one or more nucleotides ATGCTACTGATTCTGCTGTCGGTGGCCCTGCTGGCCCTGAGCTCAGCTCAGAGCTTAAAT GAAGATGTCAGCCAGGAAGAATCTCCCTCCGTAATATCAGGAAAGCCAGAAGGACGACGC CCACAAGGAGGAAACCAGCCCCAACGTACCCACCTCCTCCAGGAAAGCCAGAAGGACGA CCCCACAAGGAGGCAACCAGTCCAAGGTCCCCACCTCGTCCAGGAAAGCCAGAAGGA CCACCCCAACAAGGAGGAAACCAGTCCAAGGTCCCCACCTCGTCCGGGAAAGCCAGAA GGACAACCCCAACAAGGAGGAAACCAGTCCAAGGTCCCCACCTCGTCCGGGAAAGCCA GAAGGACCACCCCAACAAGGAGGAAACCAGTCCAAGGTCCCCGCCTCGTCCGGGAAAG CCAGAAGGACCACCCCAACAAGGAGGAAACCAGTCCAAGGTCCCCGCCTCGTCCGGGA AAGCCAGAAGGACCACCCCAACAAGGAGGAAACCAGTCCAAGGTCCCCGCCTCATCCG GGAAAGCCAGAAGGACCACCCCAACAAGGAGGAAACCAGTCCAAGGTCCCCACCTCGT CCGGGAAAGCCAGAAGGACCACCCCAACAAGGAGGAAACCAGTCCAAGGTCCCCACCT CGTCCAGGAAAGCCAGAAGGACCACCTTACAAGGAGGCAACAAACCTCAAGGTCCCCA CCTCATCCAGGAAAGCCACAAGGACCACCCCAACAAGAAGGTAACAAACCTCAACGTCCC CCTCCTCCAGGAAAGCCACAAGGACCACCCCAACCAGGAGGCAATCCCCAGCAGCCTCTG CCACCTCCGCTGGAAAGCCCCAGGGACCACCTCCACCTCCTCAAGGGGGCAGACCACAC AGACCTCCCAGGGACAGCCTCCCCAGTAA
Restriction Sites:	Please inquire
ACCN:	NM_006249
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.



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_006249.3, NP_006240.3</u>
<b>RefSeq Size:</b>	1235 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	5544
<b>Cytogenetics:</b>	12p13.2
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene encodes a member of the heterogeneous family of basic, proline-rich, human salivary glycoproteins. Multiple alleles of this gene exhibiting variations in the length of the tandem repeats have been identified. The reference genome encodes the "Long" allele. The protein isoforms encoded by this gene are recognized as the "first line of oral defense" against the detrimental effects of polyphenols in the diet and pathogen infections. This gene is located in a cluster of closely related salivary proline-rich proteins on chromosome 12. [provided by RefSeq, Nov 2015]</p>