

Product datasheet for **SC303564**

PRB1 (NM_005039) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRB1 (NM_005039) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRB1
Synonyms:	PM; PMF; PMS; PRB1L; PRB1M
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005039, the custom clone sequence may differ by one or more nucleotides ATGCTGTTGATTCTGCTGTCAGTGGCCTTGCTGGCCCTGAGCTCAGCTCAGAACTTAAAT GAAGATGTCAGCCAGGAAGAATCTCCCTCCCTAATAGCAGGAAATCCACAAGGACCATCC CCACAAGGAGGCAACAAGCCCCAGGGCCCCCACCTCCTCCAGGAAAGCCACAAGGACCA CCCCACAAGGAGGCAACAAACCTCAAGGTCCCCACCTCCAGGAAAGCCACAAGGACCA CCCCACAAGGGACAAGTCCCGAAGTCCCGATCTCCTCCAGGAAAACCCACAAGGACCA CCCCACAAGGAGGTAACCAGCCCCAAGGTCCCCACCTCCTCCAGGAAAGCCACAAGGA CCACCCCAACAAGGAGACAAGTCCCGAAGTCCCGATCTCCTCCAGGAAAGCCACAAGGA CCACCCCAACAAGGAGGTAACCAACCCCAAGGTCCCCACCTCCTCCAGGAAAGCCACAA GGACCACCCCAACAAGGAGGCAAGAAACCTCAGGGTCCCCACCTCCAGGAAAGCCACAA GGACCACCCCAACAAGGAGACAAGTCCCGAAGTCCCAATCTCCTCCAGGAAAGCCACAA GGACCACCCCAACAAGGAGGCAACCAGCCCCAAGGTCCCCACCTCCTCCAGGAAAGCCA CAAGGACCACCCCAACAAGGAGGCAACAAACCTCAAGGTCCCCACCTCCAGGAAAGCCA CAAGGACCACCCGACAAGGAGGCAAGTCCCAAGTGCCCGATCTCCTCCAGGAAAG CCACAAGGACCACCCCAACAAGAAGGCAACAATCCTCAAGGTCCCCACCTCCAGCAGGA GGCAATCCCAGCAGCCTCAGGCACCTCTGCTGGACAGCCCCAGGGACCACCACGCCCT CCTCAAGGGGGCAGACCTTCCAGACCTCCCCAGTGA
Restriction Sites:	Please inquire
ACCN:	NM_005039
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.



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_005039.2</u> , <u>NP_005030.2</u>
RefSeq Size:	1173 bp
RefSeq ORF:	996 bp
Locus ID:	5542
UniProt ID:	<u>P04280</u>
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 "Medium" 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 longest transcript and encodes the longest protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because transcript sequence consistent with the reference genome assembly was not available for all regions of the RefSeq transcript. The extent of this transcript is supported by transcript alignments.</p>