

Product datasheet for **SC307953**

PRB1 (NM_199354) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRB1 (NM_199354) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRB1
Synonyms:	PM; PMF; PMS; PRB1L; PRB1M
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_199354 edited
GCCCTTGCACAGAGTTGGGAGTGACTCCAGAGCCTCCTGCAAGATGCTGTTGATTCTGCT
GTCAGTGGCCTTGCTGGCCCTGAGCTCAGCTCAGAAGTTAAATGAAGATGTCAGCCAGGA
AGAATCTCCCTCCCTAATAGCAGGAAATCCACAAGGACCATCCCCACAAGGAGGCAACAA
GCCCAAGGCCCCACCTCCTCCAGGAAAGCCACAAGGACCACCCCAAGGAGGCAAA
CAAACCTCAAGTCCCCTACCTCCAGGAAAGCCACAAGGACCACCCCAAGGGACAA
GTCCCGAAGTCCCGATCTCCTCCAGGAAAACCACAAGGACCACCCCAAGGAGGAAA
GCCACAAGGACCACCCGACAAGGAGGCAGCAAGTCCCAAAGTGCCCGAGCTCCTCCAGG
AAAGCCACAAGGACCACCCCAACAAGAAGGCAACAATCCTCAAGGTCCCCACCTCCAGC
AGGAGGCAATCCCAGCAGCCTCAGGCACCTCCTGCTGGACAGCCCAGGGACCACCAGC
CCCTCCTCAAGGGGCAGACCTCCAGACCTCCCAGTGACAGCCTCCCAGTCATCTAG
G

Restriction Sites: Please inquire

ACCN: NM_199354

Insert Size: 600 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).

OTI Annotation: This clone has been fully sequenced and found one SNP within the protein associated with this reference, NM_199354.1. Another C to T change was found at position of 258, which changes amino acid from P to L.



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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_199354.1](#), [NP_955386.1](#)

RefSeq Size: 714 bp

RefSeq ORF: 537 bp

Locus ID: 5542

UniProt ID: [P04280](#)

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 "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]
Transcript Variant: This variant (3) lacks an in-frame segment within the coding region compared to variant 1. The resulting isoform (3) lacks an internal region, compared to isoform 1. This isoform (3) may undergo proteolytic processing similar to isoform 1.