

Product datasheet for SC307952

PRB1 (NM 199353) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: PRB1 (NM_199353) Human Untagged Clone

Tag: Tag Free
Symbol: PRB1

Synonyms: PM; PMF; PMS; PRB1L; PRB1M

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_199353, the custom clone sequence may differ by one or more

nucleotides

Restriction Sites: Please inquire **ACCN:** NM 199353

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).



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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: <u>NM 199353.1</u>, <u>NP 955385.1</u>

 RefSeq Size:
 774 bp

 RefSeq ORF:
 774 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 (2) lacks an in-frame segment within the coding region compared to variant 1. The resulting isoform (2) lacks an internal region, as compared to isoform 1. This isoform (2) may undergo proteolytic processing similar to isoform 1.