

# Product Information

## MemDX™ Membrane Protein Human PRB3 (Proline rich protein BstNI subfamily 3) for

### Antibody Discovery

Cat. No.: **MP1040X**

This product is for research use only and is not intended for diagnostic use.

This product is a 43 kDa Human PRB3 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

PRB3

#### Protein Length

Full-length

#### Molecular Weight

43 kDa

#### Sequence

MLLILLSVALLALSSAQLNEDVSQEESPSVISGKPEGRRPQGGNQPQRTPPPPGKPEGRPPQGGNQSQGPPPRPGKPEGQPPQ

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Buffer

50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

### Storage

Store at +4°C for up to one week or several months at -80°C

### Target

#### Target Protein

PRB3

#### Full Name

Proline rich protein BstNI subfamily 3

#### Introduction

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.

#### Alternative Names

G1; PRG; basic salivary proline-rich protein 3; BstNI type basic salivary proline-rich protein 3; G1 parotid salivary glycoprotein; parotid salivary glycoprotein G1; proline-rich protein G1

#### Gene ID

[5544](#)

#### UniProt ID

[Q04118](#)