

Product Information

MemDX™ Membrane Protein Human PRH1 (Proline rich protein HaeIII subfamily 1) for

Antibody Discovery

Cat. No.: **MP1041X**

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

This product is a 45.21 kDa Human PRH1 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

PRH1

Protein Length

Full-length

Molecular Weight

45.21 kDa

Sequence

QDLNEDVSQEDVPLVISDGGDSEQFLDEERQGPPLGGQQSQPSAGDGNQDDGPQQGPPQQGGQQQQGPPPPQGKPKQGPPQQ

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

PRH1

Full Name

Proline rich protein HaeIII subfamily 1

Introduction

This gene encodes a member of the heterogeneous family of proline-rich salivary glycoproteins. The encoded preproprotein undergoes proteolytic processing to generate one or more mature isoforms before secretion from the parotid and submandibular/sublingual glands. Multiple distinct alleles of this locus including the parotid isoelectric-focusing variant slow (PIF-s), the parotid acidic protein (Pa), and the double band slow (Db-s) isoforms have been characterized. The reference genome encodes the Db-s allele. Certain alleles of this gene are associated with susceptibility to dental caries. This gene is located in a cluster of closely related salivary proline-rich proteins on chromosome 12. Co-transcription of this gene with adjacent genes has been observed. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms.

Alternative Names

PA; Db-s; PRH2; PIF-S; Pr1/Pr2; salivary acidic proline-rich phosphoprotein 1/2; PRP-1/PRP-2; parotid acidic protein; parotid double-band protein; parotid isoelectric focusing variant protein; parotid proline-rich protein 1/2; protein C

Gene ID

[5554](#)

UniProt ID

[P02810](#)