

# Product Information

## **MemDX™ Membrane Protein Human PTPRR (Protein tyrosine phosphatase receptor type R) expressed by *in vitro* wheat germ expression system for Antibody Discovery**

Cat. No.: **MP1068X**

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

This product is a 100.3 kDa Human PTPRR 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

PTPRR

#### Protein Length

Full-length

#### Molecular Weight

100.3 kDa

#### TMD

1

#### Sequence

MRRAVCFPALCLLLNLHAAGCFSGNNDHFLAINQKKSGKPVFIYKHSQDIEKSLDIAPQKIYRHSYHSSSEAQVSKRHQIVNSAFPRP

### 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**

PTPRR

**Full Name**

Protein tyrosine phosphatase receptor type R

**Introduction**

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and a single intracellular catalytic domain, and thus represents a receptor-type PTP. Silencing of this gene has been associated with colorectal cancer. Multiple transcript variants encoding different isoforms have been found for this gene. This gene shares a symbol (PTPRQ) with another gene, protein tyrosine phosphatase, receptor type, Q (GeneID 374462), which is also located on chromosome 12.

**Alternative Names**

PTPRQ; EC-PTP; PCPTP1; PTP-SL; PTPBR7; receptor-type tyrosine-protein phosphatase R; Ch-1 PTPase; NC-PTPCOM1; R-PTP-R; ch-1PTPase; protein tyrosine phosphatase Cr1PTPase; protein-tyrosine phosphatase NC-PTPCOM1; protein-tyrosine phosphatase PCPTP1

**Gene ID**

[5801](#)

**UniProt ID**

[Q15256](#)