

## Product Information

### MemDX™ Membrane Protein Human PTPRH (Protein tyrosine phosphatase receptor type H) for Antibody Discovery

Cat. No.: **MP0823J**

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

This product is a 122.2 kDa Human PTPRH membrane protein expressed in HEK293T. 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

PTPRH

##### Protein Length

Full-length

##### Protein Class

Druggable Genome, Transmembrane

##### Molecular Weight

122.2 kDa

##### TMD

1

##### Sequence

MAGAGGGLGVWGNLVLLGLCSWTGARAPAPNPGRNLTVETQTTSSISLSWEVPDGLDSQNSNYWVQCTGD  
GGTTETRNNTATNVTVDGLGPGSLYTCSVWVEKDVNSSVGTVTATAPNPVRNLRVEAQTNSSIALTWE  
VPDGPDPQNSTYGVEYTDGGRAGTRSTAHTNITVDGLEPGCLYAFSMWVGKNGINSSRETRNATTAHNP  
VRNLRVEAQTSSISLSWEVPDGTDPQNSTYCVQCTGDGGRTETRNTDTRVTVDGLGPGSLYTCSVWVE  
KDVNSSVEIVTSATAPNPVRNLTVEAQTNSSIALTWEVPDGPDPQNSTYGVEYTDGGRAGTRSTAYTN  
ITVDRLEPGCLYVFSVWVGKNGINSSRETRNATAPNPVRNLHMETQTNSSIALCWEVPDGPYPQDYTYW  
VEYTDGDDGTETRNNTNTSVTAERLEPGTLYTFSVWAEKNGARGSRQNVSISTVPNAVTSLSKQDWTNST  
IALRWTAQQPGQSSYSYWVSWVREGMTDPRQTSTSGTDITLKELEAGSLYHDTVWAERNEVRGYNSTLT  
AATAPNEVTDLQNETQTKNSVMLWWKAPGDPHSQLYVYVWQWASKGHPRRGQDPQANWVNQTSRTNETWY  
KVEALEPGTLYNFTVWAERNNDVASSTQSLCASTYPTDVTITSCVSTSAGYGVNLIWSCPQGGYEAFELEV  
GGQRGSQDRSSCGEAVSVLGLGPARYPATITTIWDGMKVVSHSVVCHTESAGVIAGAFVGILLFLILVG  
LLIFFLKRRNKKKQKPELRDLVFSSPGDIPAEDFADHVRKNERDSNCGFADEYQQLSLVGHSQSQMVAS  
ASENNAKNRYRNVLPHYDWSRVPLKPIHEEPGSDYINASFMPGLWSPQEFATQGPLPQTVGDFWRLVWEQ  
QSHTLVMLTNCMEAGRVKCEHYWPLDSQPCTHGLRVTLVGEEVMENWTVRELLLLQVEEQKTLVSRQFH  
YQAWPDHGVPSPTDLLAFWRMLRQWLDQTMEGGPPIVHCSAGVGRGTGLIALDVLLRQLQSEGLLPFS  
FVRKMRESRPLMVQTEAQYVFLHQCILRFLQSSAQAPAEKEVPYEDVENLIYENVAAIQAHLKLEV

## Product Description

### Expression Systems

HEK293T

### Tag

C-Myc/DDK

### Form

Liquid

### Purification

Anti-DDK affinity column followed by conventional chromatography steps

### Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

### Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

### Storage

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

## Target

### Target Protein

PTPRH

### Full Name

Protein tyrosine phosphatase receptor type H

### 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 intracytoplasmic catalytic domain, and thus represents a receptor-type PTP. The extracellular region contains eight fibronectin type III-like repeats and multiple N-glycosylation sites. The gene was shown to be expressed primarily in brain and liver, and at a lower level in heart and stomach. It was also found to be expressed in several cancer cell lines, but not in the corresponding normal tissues. Alternative splicing results in multiple transcript variants.

### Alternative Names

SAP1; R-PTP-H

### Gene ID

[5794](#)

### UniProt ID

[Q9HD43](#)