

Product Information

MemDX™ Membrane Protein Human PTPRR (Protein tyrosine phosphatase receptor type R, transcript variant 1) for Antibody Discovery

Cat. No.: **MP0789J**

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

This product is a 71.3 kDa Human PTPRR 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

PTPRR

Protein Length

Full-length

Protein Class

Druggable Genome, Phosphatase, Transmembrane

Molecular Weight

71.3 kDa

TMD

1

Sequence

MRRAVCFPALCLLLNLHAAGCFSGNNDHFLAINQKKSGKPVFIYKHSQDIEKSLDIAPQKIYRHSYHSSS
EAQVSKRHQIVNSAFPRPAYDPSLNLLAMDGDLEVENLPIPAANVIVVTLQMDVNKLNITLLRIFRQGV
AAALGLLPQQVHINRLIGKKNSIELFVSPINRKTGISDALPSEEVLRSLNINVLHQSLSQFGITEVSPEK
NVLQGGQHEADKIWSKEGFYAVVIFLSIFVIVTCLMILYRLKERFQLSLRQDKEKNQEIHLSPLITLQPAL
SEAKTVHSMVQPEQAPKVLNVVVDPPQGRGAPEIRATTATSVCPSPFKMKPIGLQERRGNSVSLTLDMSLL
GNIEPFVSIPTPREKVAMEYLQSASRILTRSQRDQVASSHLLQSEFMEIPMNFVDPKEIDIPRHGKTKNR
YKTILPNPLSRVCLRPKNVTDLSITYINANYIRGYSGKEKAFIATQGPMTVDVDFWQMVWQEDSPVIVM
ITKLKEKNEKCVLYWPEKRGYKVEVLVISVNECDNYTIRNLVLKQGSHTQHVKHYYWYTSWPDHKTPDS
AQPLLQLMLDVEEDRLASQGRGPVVVHCSAGIGRTGCFIATSIGCQQLKEEGVVDALSIVCQLRMDRGM
VQTSEQYEFVHHALCLYESRSLAETVQ

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**

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

Gene ID

[5801](#)

UniProt ID

[Q15256](#)