

Product Information

MemDX™ Membrane Protein Human PTPRR (Protein tyrosine phosphatase receptor type R)

Full Length

Cat. No.: **MPC2602K**

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

This product is a made-to-order Human PTPRR membrane protein expressed in HEK293. 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

Protein phosphatase

TMD

1

Sequence

MRRAVCFPALCLLLNLHAAGCFSGNNDHFLAINQKKSGKPVFIYKHSQDI
EKSLDIAPQKIYRHSYHSSSEAQVSKRHQIVNSAFPRPAYDPSLNLLAMD
GQDLEVENLPIAANVIVVTLQMDVNKLNITLLRIFRQGVAAALGLLPQQ
VHINRLIGKKNSIELFVSPINRKTGISDALPSEEVLRLSLNINVLHQSLSQ
FGITEVSPEKNVLQGQHEADKIWSKEGFYAVVIFLSIFVIIVTCLMILYR
LKERFQLSLRQDKEKNQEIHLSPLITLQPALSEAKTVHSMVQPEQAPKVLN
VVVDPQGRGAPEIKATTATSVCPSPFKMKPIGLQERRGSNVSLTDMSSL
GNIEPFVSIPTPREKVAMEYLQSASRILTRSQRDVVASSHLLQSEFMEI
PMNFVDPKEIDIPRHGTKNRYKTILPNPLSRVCLRPKNVTDLSLSTYINAN
YIRGYSGKEKAFIATQGPMINTVDDFWQMVWQEDSPVIVMITKLKEKNEK
CVLYWPEKRGYIGKVEVLVISVNECDNYTIRNLVLKQGSHTQHVKHYYWT
SWPDHKTPDSAQPLLQLMLDVEEDRLASQGRGPVVVHCSAGIGRTGCFIA
TSIGCQQLKEEGVVDALSIVCQLRMDRGGMVQTSEQYEFVHHALCLYESR
LSAETVQ

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

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

PTPRR; 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; Protein tyrosine phosphatase receptor type R

Gene ID

[5801](#)

UniProt ID

[Q15256](#)