

Recombinant Human PTPRR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PTPRR-2038H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTPRR MS Standard C13 and N15-labeled recombinant protein (NP_570897) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	46.6 kDa
AA Sequence	MILYRLKERFQLSLRQDKEKNQEIHLSPLITLQPALSEAKTVHSMVQPEQAPKVLNVVV DPQGRGAPEIRATTATSVCPSPFKMKPIGLQERRGSNVSLTLDMSSLGNIEPFVSIPT PREKVAMEYLQSASRILTRSQRDQVASSHLLQSEFMEIPMNFVDPKEIDIPRHGTKN RYKTILPNPLSRVCLRPKNVTDLSLSTYINANYIRGYSGKEKAFIATQGMINTVDDFW

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QMVWQEDSPVIVMITKLKEKNEKCVLYWPEKRGYIGKVEVLVISVNECDNYTIRNLVL
 KQGSHTQHVKHYWYTSWPDHKTPDSAQPLLQLMLDVEEDRLASQGRGPVVVHCS
 AGIGRTGCFIATSIGCQQLKEEGVVDALSIVCQLRMDRGGMVQTSEQYEFVHHALCL
 YESRLSAETVQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PTPRR protein tyrosine phosphatase receptor type R [Homo sapiens (human)]

Official Symbol PTPRR

Synonyms PTPRR; protein tyrosine phosphatase, receptor type, R; PTPRQ; receptor-type tyrosine-protein phosphatase R; EC PTP; PCPTP1; PTP SL; PTPBR7; R-PTP-R; NC-PTPCOM1; ch-1PTPase; Ch-1 PTPase; protein-tyrosine phosphatase PCPTP1; protein tyrosine phosphatase Cr1PTPase; protein-tyrosine phosphatase NC-PTPCOM1; EC-PTP; PTP-SL; FLJ34328; MGC131968; MGC148170; DKFZp781C1038;

Gene ID 5801

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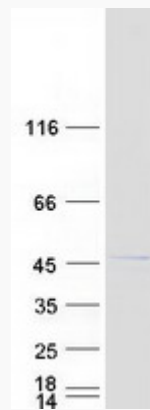
mRNA Refseq [NM_130846](#)

Protein Refseq [NP_570897](#)

MIM [602853](#)

UniProt ID [Q15256](#)

SDS-PAGE



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