



## Human PTPRR peptide (DAG-P1009)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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 (GenID 374462), which is also located on chromosome 12. [provided by RefSeq, May 2011]
<b>Specificity</b>	Expressed in brain, placenta, small intestine, stomach, uterus and weakly in the prostate. Isoform alpha has been observed only in the brain. Isoform gamma is expressed in brain, placenta and uterus. Isoform delta is expressed in brain, kidney, placenta,
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the protein-tyrosine phosphatase family. Receptor class 7 subfamily. Contains 1 tyrosine-protein phosphatase domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">PTPRR protein tyrosine phosphatase, receptor type, R [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PTPRR

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<b>Synonyms</b>	PTPRR; protein tyrosine phosphatase, receptor type, R; PTPRQ; EC-PTP; PCPTP1; PTP-SL; PTPBR7; receptor-type tyrosine-protein phosphatase R; R-PTP-R; NC-PTPCOM1; ch-1PTPase; Ch-1 PTPase; protein-tyrosine phosphatase PCPTP1; protein tyrosine phosphatase Cr1PTPase; protein-tyrosine phosphatase NC-PTPCOM1;
<b>Entrez Gene ID</b>	<a href="#">5801</a>
<b>mRNA Refseq</b>	<a href="#">NM_001207015.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001193944.1</a>
<b>UniProt ID</b>	Q15256
<b>Chromosome Location</b>	12q15
<b>Pathway</b>	EGFR1 Signaling Pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem;
<b>Function</b>	protein binding; protein kinase binding; protein tyrosine phosphatase activity; transmembrane receptor protein tyrosine phosphatase activity;

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