

## Product datasheet for **TP312896L**

### PCPTP1 (PTPRR) (NM\_002849) Human Recombinant Protein

#### Product data:

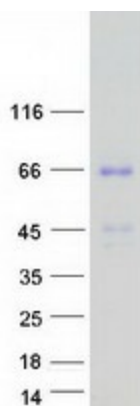
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human protein tyrosine phosphatase, receptor type, R (PTPRR), transcript variant 1, 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC212896 representing NM_002849 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MRRAVCFPALCLLLNLHAAGCFSGNNDHFLAINQKKSGKPVFIYKHSQDIEKSLDIAPQKIYRHSYHSSS EAQVSKRHQIVNSAFPRPAYDPSLNLLAMDGQDLEVENLPIPAANVIVTLQMDVNKLNITLLRIFRQGV AAALGLLPQQVHINRLIGKKNSELVSPINRKTGISDALPSEEVLRLNINVLHQLSLQFGITEVSPEK NVLQGQHEADKIWSKEGFYAVWIFLSIFVIIVTCLMILYRLKERFQLSLRQDKEKNQEIHLSPITLQPAL SEAKTVHSMVQPEQAPKVLNWWWDPQGRGAPEIRATTATSVCPSPFKMKPIGLQERRGSNVSLTDMSSL GNIEPFVSIPTPREKVAMEYLQSASRILTRSQRDQVASSHLLQSEFMEIPMNFVDPKEIDIPRHGKTKNR YKTILPNPLSRVCLRPKNVTDSLSTYINANYIRGYSKKEKAFIATQGPMINTVDDFWQMWVQEDSPVIVM ITKLKEKNEKCVLYWPEKRGYKVEVLVISVNECDNYTIRNLVLKQGSHTQHVKHYWYTSWPDHKTPDS AQPLLQLMLDVEEDRLASQGRGPWWHCSAGIGRTGCFIATSIGCQQLKEEGVDALSIVCQLRMDRGGM VQTSQYEFVHHALCLYESRLSAETVQ</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	71.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002840</a>
<b>Locus ID:</b>	5801
<b>UniProt ID:</b>	<a href="#">Q15256</a>
<b>RefSeq Size:</b>	3492
<b>Cytogenetics:</b>	12q15
<b>RefSeq ORF:</b>	1971
<b>Synonyms:</b>	EC-PTP; PCPTP1; PTP-SL; PTPBR7; PTPRQ
<b>Summary:</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 (GeneID 374462), which is also located on chromosome 12. [provided by RefSeq, May 2011]
<b>Protein Families:</b>	Druggable Genome, Phosphatase, Transmembrane
<b>Protein Pathways:</b>	MAPK signaling pathway

### Product images:



Coomassie blue staining of purified PTPRR protein (Cat# [TP312896]). The protein was produced from HEK293T cells transfected with PTPRR cDNA clone (Cat# [RC212896]) using MegaTran 2.0 (Cat# [TT210002]).