

Product datasheet for **TP312896**

PCPTP1 (PTPRR) (NM_002849) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human protein tyrosine phosphatase, receptor type, R (PTPRR), transcript variant 1, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC212896 representing NM_002849
Red=Cloning site **Green**=Tags(s)

MRRAVCFPALCLLLNLHAAGCFSGNNDHFLAINQKKSGKPVFIYKHSQDIEKSLDIAPQKIYRHSYHSSS
EAQVSKRHQIVNSAFPRPAYDPSLNLLAMDGQDLEVENLPIPAANVIVTLQMDVNLNITLLRIFRQGV
AAALGLLPQQVHINRLIGKKNSELVSPINRKTGISDALPSEEVLRLNINVLHQLSQFGITEVSPEK
NVLQGQHEADKIWSKEGFYAVWIFLSIFVIIVTCLMILYRLKERFQLSLRQDKEKNQEIHLSPITLQPAL
SEAKTVHSMVQPEQAPKVLNWWWDPQGRGAPEIRATTATSVCPSPFKMKPIGLQERRGSNVSLTDMSSL
GNIIEFVSIPTPREKVAMEYLQASRILTRSQRDQVASSHLLQSEFMEIPMNFVDPKEIDIPRHGKTKNR
YKTILPNPLSRVCLRPKNVTDSLSTYINANYIRGYSKKEAFIATQGPMINTVDDFWQMWQEDSPVIVM
ITKLKEKNEKCVLYWPEKRGYKVEVLVISVNECDNYTIRNLVLKQGSHTQHVKHYWYTSWPDHKTTPDS
AQPLLQLMLDVEEDRLASQGRGPWWHCSAGIGRTGCFIATSIGCQQLKEEGVDALSIVCQLRMDRGGM
VQTSEQYEFVHHALCLYESRLSAETVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 71.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

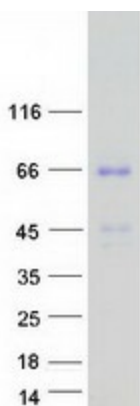
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002840
Locus ID:	5801
UniProt ID:	Q15256
RefSeq Size:	3492
Cytogenetics:	12q15
RefSeq ORF:	1971
Synonyms:	EC-PTP; PCPTP1; PTP-SL; PTPBR7; PTPRQ
Summary:	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]
Protein Families:	Druggable Genome, Phosphatase, Transmembrane
Protein Pathways:	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]).