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Product datasheet for SC329884

PCPTP1 (PTPRR) (NM_001207016) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: PCPTP1 (PTPRR) (NM_001207016) Human Untagged Clone

Tag: Tag Free

Symbol: PTPRR

Synonyms: EC-PTP; PCPTP1; PTP-SL; PTPBR7; PTPRQ

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC329884 representing NM_001207016.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAACCAGAAAAATGTTTTACAAGGGCAGCATGAAGCGGACAAAATCTGGAGCAAAGAAGGATTTTAT
GCTGTTGTCATTTTTCTCAGCATCTTTGTTATTATAGTAACGTGTTTGATGATTCTTTACAGATTAAAA
GAAAGATTTCAGCTTTCCTTAAGACAAGACAAAGAGAAAAACCAGGAGATCCACCTATCGCCCATCACA
TTACAGCCAGCACTGTCCGAGGCAAAGACAGTCCACAGCATGGTCCAACCTGAGCAGGCCCCAAAGGTA
CTGAATGTTGTCGTGGACCCTCAAGGCCGAGGTGCTCCTGAGATCAAAGCTACCACCGCTACCTCTGTT
TGCCCTTCTCCTTTCAAAATGAAGCCCATAGGACTTCAAGAGAGAAGAGGGTCCAACGTATCTCTTACA
TTGGACATGAGTAGCTTGGGGAACATTGAACCCTTTGTGTCTATACCAACACCACGGGAGAAGGTAGCA
ATGGAGTATCTGCAGTCAGCCAGCCGAATTCTCACAAGGTCTCAGCTGAGGGACGTCGTGGCAAGTTCA
CATTTACTCCAAAGTGAATTCATGGAAATACCAATGAACTTTGTGGATCCCAAAGAAATTGATATTCCG
CGTCATGGAACTAAAAATCGCTATAAGACCATTTTACCAAATCCCCTCAGCAGAGTGTGTTTAAGACCA
AAAAATGTAACCGATTCATTGAGCACCTACATTAATGCTAATTATATTAGGGGCTACAGTGGCAAGGAG
AAAGCCTTCATTGCCACGCAGGGCCCCATGATCAACACCGTGGATGATTTCTGGCAGATGGTTTGGCAG
GAAGACAGCCCTGTGATTGTTATGATCACAAAACTCAAAGAAAAAAATGAGAAATGTGTGCTATACTGG
CCGGAAAAGAGAGGGATATATGGAAAAGTTGAGGTTCTGGTTATCAGTGTAAATGAATGTGATAACTAC
ACCATTCGAAACCTTGTCTTAAAGCAAGGAAGCCACACCCAACATGTGAAGCATTACTGGTACACCTCA
TGGCCTGATCACAAGACTCCAGACAGTGCCCAGCCCCTCCTACAGCTCATGCTGGATGTAGAAGAAGAC
AGACTTGCTTCCCAGGGCCGAGGGCCTGTGGTTGTCCACTGCAGTGCAGGAATAGGTAGAACAGGGTGT
TTTATTGCTACATCCATTGGCTGTCAACAGCTGAAAGAAGAAGGAGTTGTGGATGCACTAAGCATTGTC
TGCCAGCTTCGTATGGATAGAGGTGGAATGGTGCAAACCAGTGAGCAGTATGAATTTGTGCACCATGCT
CTGTGCCTGTATGAGAGCAGACTTTCAGCAGAGACTGTCCAGTGA

Restriction Sites: SgfI-MluI

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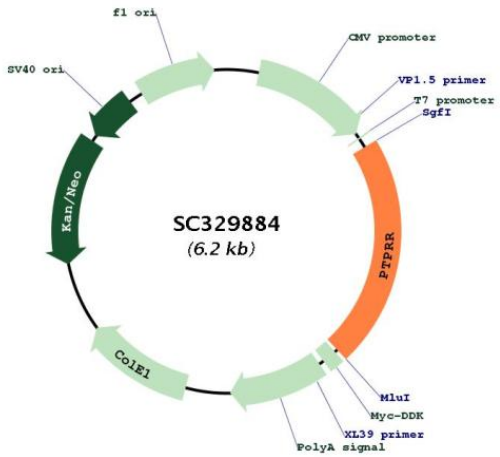
Plasmid Map:



ACCN:	NM_001207016
Insert Size:	1356 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001207016.1
RefSeq Size:	2650 bp
RefSeq ORF:	1356 bp
Locus ID:	5801

UniProt ID:	Q15256
Cytogenetics:	12q15
Protein Families:	Druggable Genome, Phosphatase, Transmembrane
Protein Pathways:	MAPK signaling pathway
MW:	51 kDa
Gene 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] Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (4, also referred to as isoform delta) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.