

Product datasheet for **SC318621**

PTPRU (NM_133177) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PTPRU (NM_133177) Human Untagged Clone
Tag: Tag Free
Symbol: PTPRU
Synonyms: FMI; hPTP-J; PCP-2; PTP; PTP-J; PTP-PI; PTP-RO; PTPPSI; PTPRO; PTPU2; R-PTP-PSI; R-PTP-U
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_133177, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCGTGCCAGGCGCTCGTGTGGCACTCACCTTCCAGCTCTGCGCGCCGGAGACC
GAGACTCCGGCAGCTGGCTGCACCTTCGAGGAGGCAAGTGACCCAGCAGTGCCCTGCGAG
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CCAGGCCAGCGAGCCCATGTCATCTTCCAGAGCCTGAGCGAGAATGATACCCACTGTGTG
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AACGCGGGCCAGAACGCGTGTTCAGTGCATGGCCGCGGGCAGAGCGGCCGAGGCCGAA
CGTTCCTCTTGAACGGCAGAGCGGGCGTGGTGCCGGCGGGCGTGGCGGCACATC
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ACTGAGATAACCTAACATCTCTGCTCCCAGCTTTGATTATGCCGACATGCCGTACCC
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 CCCATCAGTGTGTACCAGGTGATTGTGGAGGAGGAGCGGGCGGGAGGCTGCGGCGGGAG
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 TCTGCATACCCGGACACACCTGACTCCAAGAAGGCCTTCTGACCTGCTGGCTGAGGTG
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 TTGGTGGACGTTTTCTTTGCTGCCAAAACCTCCGGAACATAAAACCAACATGGTGGAG
 ACCATGGATCAGTACCCTTTTGTACGATGTGGCCCTGGAGTACTTGGAGGGGCTGGAG
 TCAAGA

Restriction Sites: Please inquire
ACCN: NM_133177
Insert Size: 5614 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_133177.2 , NP_573438.2
RefSeq Size:	5614 bp
RefSeq ORF:	4329 bp
Locus ID:	10076
UniProt ID:	Q92729
Cytogenetics:	1p35.3
Protein Families:	Transmembrane
Gene Summary:	<p>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 two tandem intracellular catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP (MAM) domain, Ig-like and fibronectin type III-like repeats. This PTP was thought to play roles in cell-cell recognition and adhesion. Studies of the similar gene in mice suggested the role of this PTP in early neural development. The expression of this gene was reported to be regulated by phorbol myristate acetate (PMA) or calcium ionophore in Jurkat T lymphoma cells. Alternatively spliced transcript variants have been reported. [provided by RefSeq, Aug 2010]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, contains an alternate in-frame exon, and uses an alternate, in-frame splice site compared to variant 3. The resulting isoform (2) has the same N- and C-termini but is 6 aa shorter than isoform 3.</p>