

## Product datasheet for **SC325311**

### **PTPH1 (PTPN3) (NM\_001145370) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PTPH1 (PTPN3) (NM_001145370) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTPN3
Synonyms:	PTP-H1; PTPH1
Vector:	<u>pCMV6 series</u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001145370, the custom clone sequence may differ by one or more nucleotides

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ATGGATATTTGCGAAGGAAGGTTAACCTGCCCTTAACTCAGCAGTGGTCTAGCGTCC
TATGCCGTACAATCTCATTGAGACTATAATCTTCCATACATCATCCAGGCTATCTT
TCCGATAGTCACTTTATACCCGATCAAAATGAGGACTTTTTAACAAAAGTCAATCTCTG
CATGAGCAGCACAGTGGGCTAAAACAATCAGAAGCAGAATCCTGCTATATCAACATAGCC
CGGACCCTCGACTTCTATGGAGTAGAAGTGCACAGTGGTAGGGATCTGCACAATTTAGAC
CTAATGATTGGAATTGCTTCCGCGGGTGTGCTGTGTACCGAAAAATACATTTGCACAAGT
TTCTATCCTTGGGTGAACATTCTCAAAATTTCTTTCAAAAGGAAAAAGTTCTTCATACAT
CAGCGACAGAAACAGGCTGAATCCAGGGAACATATTGTGGCCTTCAACATGCTGAATTAC
CGATCTTGCAAAAACCTTGGAATCCTGTGTTGAGCACCATACGTTCTTTCAAGGCAAAAG
AAGCTACTACCTCAGGAAAAGATGTTCTGTCTCAGTACTGGACTATGGGCTCTCGGAAC
ACCAAAAAGCGAAGTCTCGGCTCCGGCACGAAATCCGAAAGCCACGCCACTCTTCTGCA
GATAACCTTGCAATGAAATGACCTACATCACGAAACGGAAGATGATTTTACACGTAC
AAGGGCTCTCTGGCCCTCAAGACAGCGATTCTGAAGTTTCTCAGAACCGAAGCCCGCAC
CAAGAGAGTTTATCCGAGAAACAATCCGGCACAAAGCTACCTGACCCAGAAGTCATCCAGT
TCTGTGTCTCCATCTTCAAAATGCTCCAGGCTCCTGCTCACCTGACGGCGTTGATCAGCAG
CTCTTAGATGACTTCCACAGGGTGACCAAAGGGGGCTCCACCGAGGACGCCAGCCAGTAC
TACTGTGACAAGAATGATAATGGTGACAGCTACTTAGTCTTGATCCGTATCACACCAGAT
GAAGATGGAAAATTTGGATTTAATCTTAAGGGAGGAGTGGATCAAAGATGCCTCTTGTG
GTATCAAGGATAAACCCAGAGTCACTGCGGACACCTGCATTCTAAGCTGAACGAAGGG
GATCAAATCGTGTAAATCAATGGCCGGGACATCTCAGAACACACGCATGACCAAGTGGTG
ATGTTTCATCAAAGCCAGCCGGGAGTCCCCTCACGGGAGCTGGCCCTGGTGATCAGGAGG
AGAGCTGTCCGCTCATTTGCTGACTTCAAGTCTGAAGATGAACTGAACCGACTTTTCCCC
GAAGCCATTTTCCCATGTGTCCGGAGGGTGGGACACTTTGGAGGGATCCATGGCACAG
CTAAAGAAGGGCCTCGAAAGCGGGACGGTGTGATCCAGTTTGAGCAACTCTACAGAAAA
AAGCCAGGTTTGGCCATCACGTTTGCAAAGCTGCCTCAAATTTGGACAAAAACCGATAT
AAAGATGTGCTGCCTTATGACACCACCCGGTATTATTGCAGGAAATGAAGATTATATT
AATGCAAGTTACGTGAACATGGAATTCCTGCTGCTAACCTTGTGAACAAGTACATCGCC
ACTCAGGGGCCCTGCCGCATACCTGTGCACAGTTTTGGCAGGTTGTCTGGGATCAGAAG
TTGTCACTCATTGTCATGTTGACGACTCTCACAGAACGAGGGCGGACCAAATGTCACCAG
TACTGGCCAGATCCCCCGACGTATGAACCACGGCGGCTTTCACATCCAGTGTCAGTCA
GAGGACTGCACCATCGCCTATGTGTCCCGAGAAATGCTGGTCCAAACACCCAGACCGGG
GAAGAACACACAGTGACACATCTCCAGTACGTCGCATGGCCTGACCACGGTGTGCCCGAT
GACTCCTCCGACTTTCTGGAATTTGAAACTATGTGAGGTCTCTGAGAGTGGACAGCGAG
CCCGTCTAGTTCAGTGCAGTGTGGAATAGGTGCAACCGGTGTGTTGGTCACTATGGAA
ACAGCCATGTGCCTAACTGAGAGAACTGCCATTTACCCACTGGATATTGTCCGAAAA
ATGCGAGACCAGCGCCATGATGGTGCAGACATCAAGCCAGTACAAGTTTGTGTGAA
GCGATTCTTCGTGTATGAAGAAGGTTTAGTCCAAATGCTGGATCCTAGT

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- Restriction Sites:** Please inquire
- ACCN:** NM\_001145370
- 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001145370.1, NP_001138842.1</u>
<b>RefSeq Size:</b>	8648 bp
<b>RefSeq ORF:</b>	2214 bp
<b>Locus ID:</b>	5774
<b>UniProt ID:</b>	<u>P26045</u>
<b>Cytogenetics:</b>	9q31.3
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>Gene Summary:</b>	<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 protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. P97, a cell cycle regulator involved in a variety of membrane related functions, has been shown to be a substrate of this PTP. This PTP was also found to interact with, and be regulated by adaptor protein 14-3-3 beta. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, and is missing an in-frame coding exon compared to transcript variant 1, resulting in an isoform (4) with a shorter N-terminus and lacking an internal protein segment compared to 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.</p>