

## Product datasheet for SC106263

### PHPT1 (AF131857) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHPT1 (AF131857) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHPT1
Synonyms:	CGI-202; HEL-S-132P; HSPC141; PHP14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AF131857, the custom clone sequence may differ by one or more nucleotides

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GGCTCCCTCGTTGCCAGCCTCGCGGGCCGCTAACTGCCCGTTCCAAGGGTGCCACCGGACCCCGC
TGGAGAGGAATTCTCCGTTGGCTGATTCATCACCCATTCCCGATTCCACGTTTCTTTAAGCGGG
GCTGGCGGAGCCGAAGGCGCAAGGAAGTGGATTGCGATTGGTCAGCACGTGCCGCGGCGGTACA
ATTGGCTGAGGCGCTGGGCCTTGGGAAGCATTCCCGACGGGATTGGTCGTCGCTCTCGCAGAGCCCGC
TCCCGCAGTACAAGCGGCCCGGGTGGGTGGGAGGAGGGGACTCCGGGAGGAGGAACATGGCGGTGGC
GGACCTCGCTCTCATTCTGATGTGGACATCGACTCCGACGGCGTCTCAAGTATGTGCTGATCCGAGTC
CACTCGGCTCCCGCTCCGGGGTCCGGTGCAGAGAGCAAGGAGATCGTGCGCGCTACAAGTGGGCTG
AGTACCATGCGGACATCTACGACAAAGTGTCCGGCGCATGCAGAAGCAAGGCTCGGACTGTGAGTGCT
GGCGGGCGGGCGCATCTCCACCAGAGTCAGGACAAGAAGATTACGTGTACGGCTATCCATGGTGAGC
CGCAGCCCCGTCCCGCCCTGCCGGAGGCCCCAGTACCAGCTTCGAGGCCACCTGAGCCTGCTGCCTGA
CCCGTGGCCCCAGCTGAGCACGCAGGCTTCTGGGGTTCTCCAGGGTCGGCGGCAGAGCCCTCCCTCCA
GGGCCATTGTGTTCTGCATTCCTCCATGGAGCACACGCCAGACCTGAGGGGTGGGACGGACACCCCA
GGCATGGCGGCTGTCTCCTCCTGCCTTGGGAGGCCCTGTGGGCTCTAGCTGTCTCCAGCACTTT
GGGCCCTGGGCCCCAGAGGCAGTCAGTACCTGGTGGAGCTCAGAGTCCCCACCTGTGCTCTTCAAAA
AACCACAGCAGATGAGACCCAGTGCCTCCCTCTGGGCGCTCAGGCCCCAGGATCCACCATCAAGGCC
TATGGTCCTGCCAGCACGCCATTTCAACTGAGAAAAATCAAAGCCAAGTACCCCGACTACGAGGTCACT
GGGCTAACGACGGCTACTGAGCACTCCAGCCCGGGCCTGCTGCTCCAGCAGCCACTCAGAGCCCCC
GCCTTTGCTGCACTCCTTGCAGGGCTGCCCTGCCTGCTCCTGCGGCAGCCTCTGGTACGTGCTGT
CCACCAGGCTTGGAGACAGGCTAGCCTGGCCACAGAATTAACGTGTTGCCACACCAAAAAAAAAAAAA
AAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for AF131857 unedited GTAACCTGGCAACACCCTACCCCTCCCNCGCGGTTCCGGATTTGTAACGACTCACTATA GGGCGGCCGGAATCGGCACCAGGGCAAGTCCCTCAGGCCTCCCTCGTTGCCCCAGCCTC GCGGGCCGCTAACTGCCCGTTCCAAGGGTGCCACCGGACCCCGCTGGAGAGGAACTTC TCCGTTGGCTGATTTTCATCACCACCCATTCCCATTCCACGTTTCCTTTAAGCGGGGCTG GCGGAGCCGCAAGCGGCAAGGAACTGGATTGCGATTGGTCAGCACGTGCCTCGTCCGC GGTACAATTGGCTGAGGCGCTGGGCCTTGGGAAGCATTCCCCGACGGGATTGGTCGTCGC TCTCGCAGAGCCCGCTCCCGCAGTACAAGCGGCCCCCGGTCGGGTGGGAGGAGGGGAC TCCGGGAGGAGGAACATGGCGGTGGCGGACCTCGCTCTCATTCCCTGATGTGGACATCGAC TCCGACGGCGTCTCAAGTATGTGCTGATCCGAGTCCACTCGGCTCCCGCTCCGGGGCT CCGGCTGCAGAGAGCAAGGAGATCGTGCGCGGCTACAAGTGGGCTGAGTACCATGCGGAC ATCTACGACAAAGTGTGGGCGACATGCAGAAGCAAGGCTGCGACTGTGAGTGTCTGGGC GGGGGCGCATCTCCACCAGAGTCAGGACAAGAAGATTACGTGTACGGCTATTCCATG GTGAGCCGAGCCCGTCCCGCCCTGCCNAGGCCCCAGTACCAGCTTCGAGGCCACCT GAGCCTGTGCCCTGACCCGTGGCCCCAGCTGAGCACGCANGCTTCTGNNNGTTCTCCA GGNTCCGCGGCAGAGCCCTCCCTCCAGGCCCAATGTGTTCCGCCTTCCCCAGGNAGC ACACCCANACCTGAGGGGTGGGACCGGACACCTCCAAGNCATGGCCCGGCTGTCTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AF131857
<b>Insert Size:</b>	1650 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">AF131857.1</a>
<b>RefSeq Size:</b>	1338 bp
<b>RefSeq ORF:</b>	1338 bp
<b>Locus ID:</b>	29085
<b>Cytogenetics:</b>	9q34.3
<b>Domains:</b>	Ocnus
<b>Protein Families:</b>	Druggable Genome

<b>Protein Pathways:</b>	Fructose and mannose metabolism, Metabolic pathways, Riboflavin metabolism, Thiamine metabolism
<b>Gene Summary:</b>	This gene encodes an enzyme that catalyzes the reversible dephosphorylation of histidine residues in proteins. It may be involved in the dephosphorylation of G-beta and ATP citrate lyase and in negatively regulating CD4 T lymphocytes by dephosphorylation and inhibition of KCa3.1 channels. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]