

Product datasheet for **SC108817**

PHLPP (PHLPP1) (NM_194449) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHLPP (PHLPP1) (NM_194449) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHLPP
Synonyms:	PHLPP; PLEKHE1; PPM3A; SCOP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_194449, the custom clone sequence may differ by one or more nucleotides

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TCAGCTCTCAGGAATGTATAATGTCCGTAAGGCAAGATGCAGTTGCCAGTGAACCGATGGACAAGACGC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_194449 unedited
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_194449 unedited
 NCACCTTGTGTTTCTGTTTATTGTAACAAAATTATGACATGTCCATTTGTGCATTCTG
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 GTGGCAGCAGTAAGGAACACAGTAAAAAGTGTCTGTCAAAGTGGGAAGGCTGGGACAGGG
 GAGGAAAATGGGTTCCAGGGCCCTTGGGTGCAGGTTCTTGTCCAGTGGCCTAAGATCCATT
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 TGTGAGGCAGGCAGGCTCCTCAAAGGGGAGGGGGAGGGGAAACGTCAGTTACTTGGGCTG
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 CAATGGAAATCTCAATCAGCTGTTCTCTCAGAGAAAATTAATGAATCCCAGTGACTTAA
 GTCACCTGACAAAAGTAAAGCAACTCCTAGGAGTTAGTCTCCCCATTCTACGAATGTCTAT
 TATTTTCAGGACATCGACCATACAAAACCTAATAAAACTAGCCCCAGGCCTTTTGTCTCGC
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 TAAACAAAACCACTCACTAAAGAACCTGTTGGTATTTTACACCAACACACCGCCGCCCA
 ATATCGCACCACATCCAATGGGTCACAACACAACCTCCTTATTGT

Restriction Sites:

NotI-NotI

ACCN:

NM_194449

Insert Size:

4500 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_194449.1](#), [NP_919431.1](#)

RefSeq Size: 4798 bp

RefSeq ORF: 3618 bp

Locus ID: 23239

UniProt ID: [O60346](#)

Cytogenetics: 18q21.33

Gene Summary: This gene encodes a member of the serine/threonine phosphatase family. The encoded protein promotes apoptosis by dephosphorylating and inactivating the serine/threonine kinase Akt, and functions as a tumor suppressor in multiple types of cancer. Increased expression of this gene may also play a role in obesity and type 2 diabetes by interfering with Akt-mediated insulin signaling. [provided by RefSeq, Dec 2011]