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Product datasheet for RN202102

Phlpp1 (NM_021657) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phlpp1 (NM_021657) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Phlpp1
Synonyms:	Phlpp; Plekhe1; Scop
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>RN202102 representing NM_021657
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCCCGCCGCCGCAGCCCCGGCACAGCGACTCGCGGACCCCACGGGTGAGGACCGAGCCCCGGCGG
CGGCGGCGGCGGCCGAGGGCGGACGGAGTCCGGATTCTGTGCTGAGCGCGGCGGCCCCGAGCGGCGGGAA
CGGCGGCGCGGCGCGAGAGGAGGCCCCCTGCGAGGCGCCGCCGGGGCCGCTGCCCGGCCGCGCGGGAGGC
ACCGGACGCAGGCGTCGGCGCGGGGTGCCCCAGCCCGCGGCCGGCGGGGCCGCCCCGGTGACCGCGGCCG
GCGGCGGCGCCAACTCGCTGCTGCTGAGGAGAGGGCGGCTGAAGAGGAATCTGTCGGCCGCCGCTTCGTC
GTCCTCATCGCCGTCCTCGGCGTCTTCGGCCGCTGGCGGCCTCCCGGCGTCCTGCTCGGCCTCGGCGTCG
CTGTGCACCCGGAGTCTGGACAGGAAGACGCTGCTCCAGAAGCACCGGCAGCTGCTTCAGCTGCAGCCGT
CGGACCGGGACTGGGTGAGGCACCAGCTCCAGCGGGGCTGTGTGCACGTCTTTGACCGCCACATGGCCTC
GTCCTACCTGCGCCCAGTGCTCTGCACGCTGGACACCACAGCCGCCGAGGTGGCCGCCCGGCTTCTGCAG
CTGGGCCACAAAGGCGGCGGGGTGGTGAAGGTGCTGGGCCACGGGCCACCTCCGGCCGCTGCCCCGGCCG
CCAGCGATCAGACCCCGGCCACAGAGCTCGGAAGAGACGTGGAGCCACCGCCCTCGAGCAGCACGGTCGG
TGCTGTCCGGGGCCCTGCGCGCGCGCCTCCTGCCGATCTGCCGCTGCCCGGGGGCGCCTGGACGCGCTGT
GCACCTCGGGTCAACCCTGCGCCCTCGGACTCCAGCCCCGGAGAGCTGTTCGCGGGCGGCCCCTGTTCCC
CGTCCCGCGCCCCGCGCCCGGCCTCCGACACCGAGAGCTTCAGCCTGAGCCCCAGCGCCGAGAGCGTGTC
AGACCGGCTGGACCCCTATAGCAGCGGCGGCGGCTCCTCCTCTTCGTCCGAGGAACTAGAAGCTGACCCG
GCCACGGTCTTGACGGGGCCTTCCGGGCCGCCCCACCACCCAGTCCGCTCCTCACAGCCTCGACCGCCTT
CCCCGAAGACCTCGGCGTTACTGCAGCCGAAAGCCCCGACGGGCGTAGACGGCACTGGCCTAGTGGTGGG
CGAAGGTCCCGGAGACGACAAGGCGGTGGCAGCTGCAGCTCCAGGCGTTCCTCTGTGGACTCCAGGGAGG
ATCCGGGAGACCGTGCAAAAGACGTCTTCTCCGCCCTCCCTGTATGTACAGCTCCATGGGGAGACTACCC
GGCGCCTGGAGGCGGACGAGAAGCCATTGCAGATCCAAAATGACTACCTCTTCCAACTGGGATTTGGGGA
GCTGTGGAGGGTGCAGGAGGAAGGCATGGATTCGGAGATTGGCTGCCTCATCCGATTCTATGCAGGAAAG
CCTCATAGCACTGGGAGCTCTGAGCGGATTCAGCTCTCGGGAATGTACAATGTCCGAAAAGGCAAAATGC

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AGTTGCCAGTGAACAGATGGACAAGACGCCAGGTCATTCTGTGTGGGACGTGCTTGATAGTGTCGTCTGT
GAAAGACAGCTCGAGTGGGAAGATGCACGTTCTGCCTCTCATTGGTGGAAAAGTGGAAGAAGTGAAAAAG
CACCAGCACTGTCTAGCGTTCAGCTCTTCCGGGCCCCAGAGCCAGACTTACTACATCTGCTTCGATACTT
TCACGGAGTACTTACGATGGCTGCGTCAAGTCTCCAAGGTTGCATCACAACGCATAAGCTCAGTAGACCT
CTCATGTTGTAGCCTTGAGCATCTGCCTGCCAACCTCTTTTACAGCCAAGACCTTACTCATCTCAATTTA
AAACAGAACTTCCTAAGGCAGAACCCCAGCCTCCCAGCTGCCAGAGGACTTGGTGAACTGCAGAGATTCA
CCAAATTGAAGAGCCTTAACCTTTCCAATAACCACCTAGGAGCCTTTCCGTCAGCAGTCTGCAGCATCCC
AACCCTGGCAGAGCTGAATGTGTCTTGCAATGCCCTGCAAGAAGTCCCAGCAGCTGTTGGAGCTATGCAG
AACTTACAGACGTTCTTGCTGGATGGAAATTTTCTCCAGTCCCTTCCTGCTGAGTTGGAGAACATGCACC
AGCTCAGCTATTTGGGTCTTTCCTTTAATGAATTCACTGACATTCCAGAGGTATTGGAGAAGCTGACTGC
TGTGGATAAACTGTGCATGGCTGGGAACTGTATGGAGACCCTTAGACTACAGGCCTTAAGAAGGATGCCT
CATATTAAACACGTGGACCTAAGACTGAACATACTCAGAAAGCTTATAACAGATGAAGTGGACTTTCTGC
AACATGTCACTCAGCTTGACCTGCGAGACAATAAACTTGGTGATCTAGATGCTATGATCTTCAACAACAT
AGAAGTTCTGCACTGCGAGAGGAATCAGCTGGTGACACTGAACATTTGTGGCTATTTCCTAAAAGCACTC
TATGCTTCTTCTAACGAACTCGTTCAACTTGATGTCTACCCAGTTCCAAATTATCTATCGTACATGGATG
TCTCAAGAAACTGCCTAGAAAGTGTGCCTGAGTGGGTATGTGAAAGCCGGAAGTTAGAAGTTTTGGATAT
TGGCCATAATCAAATATGTGAACTTCCTGCCCGCTTATTTTGTAATAGTAGTCTCCGGAAATTGCTGGCA
GGACACAACCGGTTGGCAAGGCTTCCTGAAAGGCTGGAGAGAACATCAGTGGAGGTCTTGGACGTACAGC
ATAACCAGATCATTGAGCTCCCACCAAACCTTCTCATGAAGGCTGACAGCCTGAGATTCCTCAATGCGTC
CGCAAACAAACTGGAAACCCTGCCTCCAGCCACACTTTCTGAGGAGACAAGCAGTATATTACAGGAGTTG
TACTTGACAAACAACAGCCTCACTGATAAGTGTGTGCCCTTGTTAACAGGGCACCCCCGCCTGAAGATCC
TACACATGGCTTATAACCGGCTTCAGAGCTTCCCAGCAAGTAAAATGGCGAAACTGGAGGAGCTTGAAGA
AATCGATATCAGTGGGAATAAGCTGAAAGCCATCCCAACAACCATCATGAACTGCAGGCGCATGCACACG
GTGATTGCTCACTCGAACTGCATCGAAGTCTTTCCTGAAGTCATGCAGCTCCCAGAAGTCAAGTGTGTAG
ATCTGAGCTGTAATGAGCTGAGTGAAATCACCCTACCAGAAAACCTGCCACCTAAACTGCAGGAACTAGA
TCTGACCGGAAACCCACGCCTTGCCCTGGACCACAAAAGCTTGGAGCTGCTCAATAACATCCGCTGTTTC
AAGATTGACCAGCCGTCAGCTGGAGATGCATCTGGAGCCCCAGCAGTATGGAGTCATGGTTACACTGAAG
CATCGGGAGTAAAAAACAAGCTGTGTGTCGCAGCCCTGTCTGTGAATAACTTCCGTGACAACCGAGAGGC
TCTCTACGGTGTGTTTGATGGAGACCGGAATGTGGAAGTGCCCTACCTTCTCCAGTGCACCATGAGTGAC
ATCTTAGCTGAGGAGCTTCAGAAAACAAAAAATGAAGAAGAATACATGGTCAATACATTTATAGTCATGC
AAAGGAAACTGGGAACGGCTGGGCAGAAACTCGGTGGTGCTGCTGTCCTGTGTCACATCAGGCATGACCC
TGTGGACCTGGGAGGATCCTTTACCCTGACCTCTGCTAATGTTGGCAAGTGCCAAACGGTTCTCTGTCGA
AACGGGAAGCCGCTGTCTCTGTCCAGGTCCTATACCATGAGCTGTGAAGAAGAGCGGAAGAGGATTAAGC
AGCACAAAGCCATCATCACTGAGGATGGCAAGGTCAATGGAGTGACAGAGTCCACACGCATCCTGGGCTA
CACCTTCCTTCACCCCAGTGTGGTGCCTCGCCCCCACGTACAGTCGGTGCTTCTGACTCCACAGGATGAG
TTTTTCATCCTGGGCAGCAAAGGGCTGTGGGACAGCCTGTCCATCGAAGAGGCTGTGGAAGCCGTGCGCA
ACGTTCCAGATGCTCTAGCCGCCGCCAAGAAGCTATGCACCCTGGCCCAGAGCTACGGCTGCCACGACAG
CATCAGTGCTGTGGTGGTGCAACTCAGTGTCACGGAAGACAGCTTCTGCTGCTGTGAGCTCAGTGTGGGA
GGAAGCATGCCACCGCCCAGTCCCGGAATCTTCCCGCCCTCCGTCAGCATGGTGATCAAGGACCGGCCCT
CAGATGGGCTGGGCGTGCCGTCCTCCAGCAGCGGCATGGCATCTGAGATCAGCAGTGAATTGTCTACCTC
TGAGATGAGTAGTGAGGTGGGCTCCACAGCTTCTGACGAGCCGCCGTCGGGAGCCCTGAGTGAGAGCAGC
CCCGCCTACCCCAGCGAGCAGCGCTGCATGCTCCACCCGGTCTGCCTGTCCAACTCCTTCCAGCGCCAGC
TGTCCAGCGCCACTTTCTCCAGTGCGTTCTCTGACAACGGCCTTGACAGTGATGACGAGGAACCCATTGA
GGGCGTGTTCAGCAACGGCAGCCGGGTGGAGGTGGAAGTGGACATCCATTGCAGCCGGGCCAAGGAGAAG
GAGAGACAGCAGCACCTGCTTCAGGTACCAGCTGAAGCCAGTGATGAGGGCATTGTCATCAGTGCCAATG
AGGATGAGTCAGGTCTGTCCAAGAAGACAGACATTTCTGCTGTGGGGACCATTGGGCGACGCAGGGCTAA
CGGCTCTGTACCTCCCCAGGAAAGGAGCCATAATGTAATAGAGGTTGCCACAGATGCACCTCTCCGGAAG
CCGGGAGGCTATTTTGCAGCCCCTGCTCAACCAGATCCAGATGATCAGTTTATCATCCCCCCAGAGCTGG
AAGAGGAAGTCAAAGAAATCATGAAACATCACCAGGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCA
GCAGCAGCAGCAGCCACCACCTCCACCCCAGCCGCCACAGGCACAGGCACAGGCACAGGCACAGGCACAG
AGGCCCTTCCAGATGGATCACCTGCCGGACTGTTACGACACACCACTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_021657
Insert Size:	5091 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_021657.1, NP_067689.1
RefSeq Size:	6251 bp
RefSeq ORF:	5091 bp
Locus ID:	59265
UniProt ID:	Q9WTR8
Cytogenetics:	13p11
Gene Summary:	a circadian rhythm protein; may have a role in the intracellular signaling in the suprachiasmatic nucleus [RGD, Feb 2006]