

## Product datasheet for **RR214944**

### Phyhipl (NM\_001012076) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Phyhipl (NM\_001012076) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Phyhipl  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR214944 representing NM\_001012076  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGAGCTCCCCGTCCACACAACATCAAATAAATAACATCACATGTGACTCCTTCAAGATCTCAT  
GGGACATGGACTCCAAGTCGAAGGACCGCATCACACTACTTCATTGACCTCAACAAGAAAGAGAACA  
GAACTCTAACAAAGTTTAAACACAAGGATGTTCCAACAAAAGCTGGTGGCCAAAGCTGTTCCCTTGCCAA  
ACTGTTTCGTGGACTGTTTGGAGCCCAAGGACTGAGTATACAGTAGCGGTGCAGACGGCCTCAAAC  
AAGTCGATGGTGATTACGTCGTGCGGAATGGAGTGAGATTATAGAATTCTGTACAGCAGATTACTCAA  
AGTTTCATCTGACCCAGCTGCTGGAGAAGGCTGACGTGATTGCAGGACGCATGCTTAAGTTCTGTATTC  
TATCGGAACCAGCACAAGAGTATTTGACTATGTTAGAGATCACTATGGGAACGCCATGCAGCCTTCCA  
TCAAGGACAACAGTGGTAGCCACGGCTCTCCATCAGTGGGAAATTGGAAGGCATCTTCTCAGCTGCAG  
CACCGAGTTCAATACAGGAAGCCACCCAGGATTCACCGTACGGAAGATACAGGTTTGAGATCGCAGCA  
GAAAACTGTTCAACCCCAACTAACTTATACTTTGGGACTTCTACTGTATGTACACCCTTATCATT  
ATGTGATTCTTGTATTGCCCTGTGGGATCGCCAGGAGATGAATTTTGAAGCAGCGCCTTCTCAACT  
AAATTCGAAGGATAATAAGTTTTGACCTGTACAGAAGAAGATGGGAGGCTGCTGTACCACCACGCCAG  
GATGTCAATTTAGAAATCATTACACTGACCTGTGGCTTTCCCTGGGCACCGTGGCAGAAATCACTG  
GTCATCAGCTCATGAGTTTGTCTACTGCAAACGCAAGAAAGACCCAGCTGCAAACCTGTAACATCAG  
TGTCGGACGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR214944 representing NM\_001012076  
Red=Cloning site Green=Tags(s)

MEELPVPHPNIKINNITCDSFKISWDMDSKSKDRITHYFIDLNKKENKNSNKFHKHKDVPTKLVAKAVPLPM  
 TVRGHWFLSPRTEYTVAVQTASKQVDGDYVYVSEWSEIEFCTADYSKVHLTQLLEKADVIAGRMLKFSVF  
 YRNQHKKEYFDYVRDHYGNAMQPSIKDNSGSHGSPISGKLEGIFFSCSTEFNTGKPPQDSPYGRYRFEIAA  
 EKLFPNTNLYFGDFYCMYTAYHYVILVIAPVGSFGDEFCKQRLPQLNSKDNKFLTCTEEDGRLLYHHAQ  
 DVILEVIYTDPVVALSLGTVAEITGHQLMSLSTANAKKDPSCKTCNISVGR

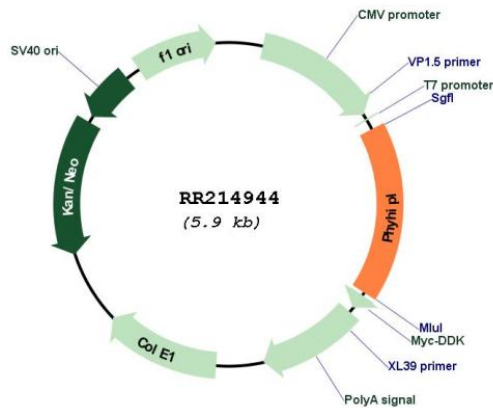
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001012076

<b>ORF Size:</b>	990 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_001012076.1</a> , <a href="#">NP_001012076.1</a>
<b>RefSeq Size:</b>	1548 bp
<b>RefSeq ORF:</b>	993 bp
<b>Locus ID:</b>	309901
<b>UniProt ID:</b>	<a href="#">Q6AYN4</a>
<b>Cytogenetics:</b>	20p11
<b>MW:</b>	37.5 kDa
<b>Gene Summary:</b>	May play a role in the development of the central system.[UniProtKB/Swiss-Prot Function]