

Product datasheet for SC114855

PHYHIP (NM_014759) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHYHIP (NM_014759) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHYHIP
Synonyms:	DYRK1AP3; PAHX-AP; PAHXAP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114855 sequence for NM_014759 edited (data generated by NextGen Sequencing)

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ATGGAGCTGCTGCCACGCCACAGCATTGAGATCAACAACATCACCTGCGACTCCTTC
CGCATCTCCTGGCCATGGAGGACAGTGACCTGGAGAGGGTCACCCATTACTTCATTGAC
CTTAACAAGAAGGAGAATAAGAATTCCAACAAGTTCAAGCACCGGACGTCCCCACCAAG
CTCGTGGCCAAGGCAGTGCCGCTGCCCATGACGGTGAGAGGCCACTGGTTCCTGAGCCCC
CGCACGGAGTACAGTGTGGCCGTGCAGACGGCAGTGAAGCAGAGCGATGGGGAGTACCTG
GTGTCCGGCTGGAGCGAGACGGTGGAGTTCTGCACTGGGGATTATGCCAAGGAGCACCTG
GCTCAGCTTCAGGAGAAAGCTGAGCAGATCGCAGGCCGATGCTCCGCTTCTCCGTCTTC
TACCGCAACCATCACAAGGAGTACTTCCAGCATGCCAGGACCCACTGCGGGAACATGCTG
CAGCCTTACCTGAAGACAACAGCGGCAGCCACGGCTCCCCACCAGCGGTATGCTCCAC
GGGGTCTTCTTACAGTGCAACACGGAGTTCAACACGGGCCAGCCCCGCAGGACTCCCCC
TACGGCCGCTGGCGCTTCCAGATCCCAGCTCAGCGCTTCTCAATCCCAGCACCAACCTC
TACTTTGCGGACTTCTACTGCATGTACACGGCCTACCACTACGCCATCCTGGTGTGGCG
CCCAAAGGCTCCCTGGGGACCGCTTCTGCCGCGACCGCTGCCCTCCTGGACATTGCT
TGCAACAAGTTCCTGACCTGCAGCGTGGAGGATGGGGAGCTGGTCTTCCGCCACGCCAG
GACCTCATCCTGGAGATCATCTACTGAGCCCGTCGACCTGTCCCTGGGCACCTGGGG
GAGATCAGTGGGCACAGCTCATGAGTCTGTCTACTGCCGATGCCAAGAAGGACCCACG
TGCAAGACCTGCAACATCAGCGTGGGCCGCTAG
  
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Clone variation with respect to NM_014759.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014759 unedited
 GTCAGAATTTGTATACGACTCCTATAGGGCGGCCGGAATCGGCACGAGGCCCTTCTCTG
 CCTCTCTCTCTCCCGTGTCTTTGATTTGCTCTTGCCTCTTCTTGCCTGCTCAGCT
 GGAACATCGTCTACCAGGGGAGCAGCGACGCGCTGCACAGCCAGACAGGAGCTGGCT
 GCGGGGCATGGAAGCAGCTCCTTGGCAGCCGGAGAGGAGCAAGCGCACGCCACTGCC
 GTGACCCAGGCGTCCGGCTGCTGCCCCGCTGGGAGCTCATCCACGACAGGTCTCTC
 CCTGTCTCCCTGCGAGCTTTTCTCTGCAGAGCCAGTGGAGCCAGTCCCCACAGGAGA
 CAACCCTGACGGGAGCATGGAGCTGCTGTCCACGCCCCACAGCATTGAGATCAACAACAT
 CACCTGCGACTCCTTCCGCATCTCCTGGGCCATGGAGGACAGTGACCTGGAGAGGTCAC
 CCATTACTTCATTGACCTTAACAAGAAGGAGAATAAGAATTCCAACAAGTTCAAGCACCG
 GGACGTCCCCACCAAGCTCGTGGCCAAGGCAGTGCCGCTGCCCATGACGGTGAGAGGCCA
 CTGTTCTCTGAGCCCCGACGGAGTACAGTGTGGCCGTGCAGACGGCAGTGAAGCAGAG
 CGATGGGAGTACCTGGTGTCCGGCTGGAGCGAGACGGTGGAGTTCTGCACTGGGATTA
 TGCCAAGGAGCACCTGGCTCAGTTTCAAGAGAAAGCTGAGCAGATCGCAGGCCGATGCT
 CCGCTTCTNCGTCTTCTACCGCAACCATCACAGGAGTACTTCCAGCATGCCAGGACCCA
 CTGCGGGAAACATGCTGCAGCCTTACCTGAAAGGACACAGCGGCAGCCACGGCTCCCCACC
 AGCGTATGCTCCACGGNNGTCTTCTTCAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014759 unedited
 CGCGGCCCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGGACTGAGACGAGCAGGGC
 CCTCAGGCCATGGTGGTTTATTGATGCACGTGCAAGCACAGCACAGGCAGGCGGACCCC
 AGCCCCGGGGGACATGAGGGCCAGGGGAGGGCAGTGGGCCACCCCCACAGCAATGCTGT
 CAGCACAGGGGGAAGGAAAGGGCTGGGCCATGTTCTCTCTCTCCACACCTCTCCCCA
 AGCTTCCAGGCCCTCTGACTCATCCAGAGAGACAGCTGGCCACACAACCTGCCCTGGCT
 ACAGATAGGTGACCGTTGTCCACCTGTCCCTCACCGAGGTATGGCCTTGGCGGCCGCTG
 CTGCTTCCGTCTTCATCACGAAATCCAGCTGCTCATCCATCATCTCTGTACCTCTGA
 GAAAGTCACTGTGAGGCTGCACTCTCTCTGCTGATGTACCTCCATCATCCCCAAAC
 AGCCGGCTGCTGCTGTGACGCCCCCCCACAGGCTCTCTGTTTGCTTTGTTGATTGTAGGG
 AGTCCACCCTCGTGACCTGTGTGACAGTAGGAATGAGGCAAAAACACAAGGAGGCCCCGG
 GAAGGACTTTACCAAGAACTCCCCGAGAGGGGCTCCCCGCCAGCAAGGTGGCTTGTAGA
 GCANACAAAACCATTTGGGAGGGGAAAAAGCCGACCAACAAAAGTCCACAGTCCAGGT
 CACGCCATGGCAGATACAGTCATGGCACCATGTGGAGACCGAGTGAGCCAAGGGGCCAC
 CTGGGGCGGGGTGGCCCCGGGCCCGGGAACACCTTAAAGGTTTTAGTTCCATTGCCCA
 GCCCCCAAAAAAATTGTGAGGTGGGCCCTTCTCACTGTGAGAAAGGGGCACCTCTTGGG
 GTCTCAACGGTCTTTTTTCCCTTCCTTAACACCAATGGGCTGGTTGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_014759

Insert Size:

3270 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:	<u>NM_014759.2, NP_055574.2</u>
RefSeq Size:	2964 bp
RefSeq ORF:	993 bp
Locus ID:	9796
UniProt ID:	<u>Q92561</u>
Cytogenetics:	8p21.3
Domains:	FN3
Gene Summary:	Its interaction with PHYH suggests a role in the development of the central system. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform.