

Product datasheet for **MG220072**

Phyhip (NM_145981) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phyhip (NM_145981) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Phyhip
Synonyms:	AW049870; C630010D02Rik; Lnap1ip; PAHX-AP#1; PAHX-AP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220072 representing NM_145981 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTTCTGTCTACCCCCACAGCATCGAGATCAACAATATCACCTGTGACTCTTCCGTATCTCT
GGGCCATGGAGGACAGTGACCTGGAGAGGGTCACCCATTATTTTATTGACCTGAACAAGAAGGAGAATAA
GAATCCAACAAGTTCAAGCACCGAGATGTCCCCACCAAGCTTGTGGCCAAGGCCGTGCCTCTGCCCATG
ACGGTGAGAGGCCACTGGTTCTGAGTCCCGGACAGAGTACAGTGTGGCAGTGCAGACTGCGGTGAAGC
AGAGTGATGGAGAGTACCTGGTGTCTGGCTGGAGTGGAGTGTGGAGTTCTGCACTGGGGACTATGCCAA
GGAACACCTTGCCAGCTGCAGGAGAAGGCTGAGCAGATCGCTGGCCGCATGCTCCGCTTCTGTGTTC
TACCGCAACCATCACAAGGAGTACTTCCAGCATGCCAGGACCCACTGTGGAACTACTGCAACCTTACC
TGAAGGACAACAGCGGTAGCCACGGCTCCCCACCAGCGGCATGCTGCACGGGGTCTTCTCAGCTGCAA
CACGGAGTTCAACACAGGCCAGCCCCGAGGACTCCCCTTACGGCCGCTGGCGCTTCCAGATCCCTGCC
CAGCGCTCTTCAACCCAGCACCAACCTCTACTTTGCGGACTTCTACTGTATGTACACAGCCTACCACT
ATGCCATCTTGGTGTGGCACCCAAAGGCTCCCTGGGGGACCGCTTCTGTGTGACCGGCTGCCCTCCT
GGACATTGCCTGCAACAAGTTCTGACCTGCAGTGTGGAGGATGGAGAGCTGATCTCCGCCACGCTCAG
GACCTCATCTTGGAGATCATCTACCCGAGCCTGTCGACCTGTCCCTGGGCACCTGGGAGAGATCAGCG
GGCACCAGCTCATGAGCCTGTCCACTGCTGACGCCAAGAAAGATCCAGCTGCAAGACCTGCAACATCAG
CGTGGGCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220072 representing NM_145981
Red=Cloning site Green=Tags(s)

MELLSTPHSIEINNITCDSFRISWAMEDSDLERVTHYFIDLNKKENKNSNKFKHRDVPTKLVAKAVPLPM
TVRGHWFLSPRTEYSVAVQTAVKQSDGEYLVSGWSETVEFCTGDYAKEHLAQLQEKAEQIAGRMLRF SVF
YRNHHKEYFQHARTHCGNVLPYLDKNSGSHGSPTS SGMHLHG VFFSCNTEFNTGQPPQDSPYGRWRFQIPA
QRLFNPTNLYFADFYCMYTAYHYAILVLAPKGS LGDRFCRDRLPLLDIACNKFLTCSVEDGELIFRHAQ
DLILEIIYTEPV DLSLGLTGEISGHQLMSLSTADAKKDP SCKTCNISVGR

TRTRPLE - GFP Tag - V

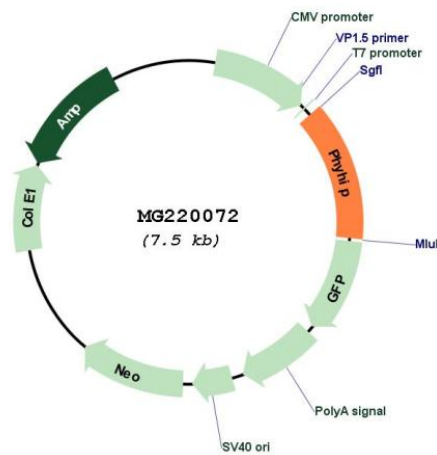
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_145981

ORF Size: 990 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_145981.3 , NP_666093.1
RefSeq Size:	2789 bp
RefSeq ORF:	993 bp
Locus ID:	105653
UniProt ID:	Q8K0S0
Cytogenetics:	14 D2
Gene Summary:	Its interaction with PHYH suggests a role in the development of the central system. [UniProtKB/Swiss-Prot Function]